

updated on 10/15/03

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OM protein - protein search, using sw model

Run on: October 10, 2003, 18:37:48 ; Search time 31.5963 Seconds  
(without alignments)  
978.887 Million cell updates/sec

Title: US-09-964-662-1  
Perfect score: 3785  
Sequence: 1 GGVPGLPGGVGGVYPGA.....LSIPFGAGLKGACGRKRK 731

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match %	Score	Length	ID	Description
1	3785	100.0	731	4	US-09-340-736E-1
2	3775	99.7	731	2	US-08-911-364-1
3	3775	99.7	733	3	US-08-464-700-2
4	3737.5	98.7	782	2	US-08-678-039A-40
5	1159.5	30.6	988	1	US-08-212-237-5
6	1159.5	30.6	988	4	US-08-806-029-28
7	1159.5	30.6	988	5	PCT-US95-02772-5
8	1159	30.6	832	1	US-08-212-237-4
9	1159	30.6	832	4	US-08-806-029-27
10	1159	30.6	832	5	PCT-US95-02772-4
11	1130.5	29.9	889	4	US-08-806-029-19
12	1130	29.9	936	1	US-08-212-237-3
13	1130	29.9	936	4	US-08-806-029-26
14	1130	29.9	936	5	PCT-US95-02772-3
15	1126.5	29.8	877	1	US-08-397-633A-54
16	1123	29.7	884	1	US-08-435-641-15
17	1123	29.7	884	2	US-08-707-237A-96
18	1123	29.7	884	3	US-08-642-246-15
19	1123	29.7	884	4	US-09-451-206-15
20	1123	29.7	884	5	PCT-US96-06229-15
21	1123	29.6	1002	2	US-08-707-237A-103
22	1122	29.6	1002	3	US-08-642-246-25
23	1122	29.6	1002	4	US-09-451-206-25
24	1122	29.6	1002	5	PCT-US96-06229-25
25	1118	29.5	1413	1	US-08-175-155-39
26	1118	29.5	1413	2	US-08-707-237A-45
27	1118	29.5	1413	3	US-08-707-237A-45

28	1118	29.5	1464	1	US-08-477-509B-74	Sequence 74, Appl
29	1118	29.5	1464	3	US-08-482-085B-74	Sequence 74, Appl
30	1118	29.5	1465	4	US-09-444-791A-74	Sequence 74, Appl
31	1116.5	29.5	745	4	US-09-841-334A-38	Sequence 38, Appl
32	1116	29.5	1056	1	US-08-212-237-6	Sequence 6, Appl
33	1116	29.5	1056	4	US-08-806-029-29	Sequence 29, Appl
34	1116	29.5	1056	5	PCT-US95-02772-6	Sequence 6, Appl
35	1113	29.4	768	4	US-08-806-029-35	Sequence 35, Appl
36	1107	29.2	2257	1	US-08-175-155-47	Sequence 47, Appl
37	1107	29.2	2257	1	US-08-477-509B-82	Sequence 82, Appl
38	1107	29.2	2257	3	US-08-707-237A-53	Sequence 53, Appl
39	1107	29.2	2257	3	US-08-482-085B-82	Sequence 82, Appl
40	1107	29.2	2257	4	US-09-444-791A-82	Sequence 82, Appl
41	1100	29.1	936	2	US-08-707-237A-108	Sequence 108, App
42	1100	29.1	936	3	US-08-642-246-30	Sequence 30, Appl
43	1100	29.1	936	4	US-09-451-206-30	Sequence 30, Appl
44	1100	29.1	936	5	PCT-US96-06229-30	Sequence 30, Appl
45	1095	28.9	972	1	US-08-212-237-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1  
US-09-340-736E-1  
; Sequence 1, Application US/09340736E  
; Patent No. 6489446  
; GENERAL INFORMATION:  
; APPLICANT: ROTHSTEIN, ASER  
; APPLICANT: KEELEY, FRED  
; APPLICANT: ROTHSTEIN, STEVEN  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN  
; TITLE OF INVENTION: AND OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0110  
; CURRENT APPLICATION NUMBER: US/09/340,736E  
; PRIOR FILING DATE: 1999-06-29  
; PRIOR APPLICATION NUMBER: 08/911,364  
; PRIOR FILING DATE: 1997-08-07  
; PRIOR APPLICATION NUMBER: 60/023,552  
; PRIOR FILING DATE: 1996-08-07  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 731  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-340-736E-1

Query Match	100.0%;	Score 3785;	DB 4;	Length 731;	
Best Local Similarity	100.0%;	Pred. No. 2e-244;			
Matches 731;	Conservative	0;	Mismatches	0;	
			Indels	0;	
			Gaps	0;	
QY	1	GGVPCATPGGVGGVYPGAGL	GALGGGALGPGGKPLKVPV	PGGLAGAGLGGAGLGAFAV	60
Db	1	GGVPCATPGGVGGVYPGAGL	GALGGGALGPGGKPLKVPV	PGGLAGAGLGGAGLGAFAV	60
QY	61	PFEGALPGGVADAAAAYKAA	KAGAGLGGVPGVGLVSAGAV	POPAGVPGKVPKVPVGL	120
Db	61	PFEGALPGGVADAAAAYKAA	KAGAGLGGVPGVGLVSAGAV	POPAGVPGKVPKVPVGL	120
QY	121	PGVYPGGVLPGARFP	PGVLPVPTGAGVKPKAPGV	GGAFAAGIPGVGFGPQPGV	180
Db	121	PGVYPGGVLPGARFP	PGVLPVPTGAGVKPKAPGV	GGAFAAGIPGVGFGPQPGV	180
QY	181	PIKAPKLPGGYGLPYTTGK	LPYGYGGVAGAGACAGYPT	GTGVPQAAAAAATAKAAAF	240
Db	181	PIKAPKLPGGYGLPYTTGK	LPYGYGGVAGAGACAGYPT	GTGVPQAAAAAATAKAAAF	240
QY	241	GAGAAGVLPVGGAGVPGV	PGAIPGIGIAGVTPAAAAA	AAAAAATAKAAKGAAGL	300
Db	241	GAGAAGVLPVGGAGVPGV	PGAIPGIGIAGVTPAAAAA	AAAAAATAKAAKGAAGL	300
QY	301	PGFPGGVVPGAGVPGV	PGVPGAGIPGAAGVSPFAA	KAAATAKAAKAAKVP	360

Db 301 PFGPGVGVPGAGVPGVPGAGLIPVPGAGIPGCAVPGVSPAAAKAAKAKYCAR 360  
QY 361 PGVGVGGIPTYGVGAGGFFGFGVGGIPGVGAGVPGVGGVPGVGGISPEAQAAAA 420  
Db 361 PGVGVGGIPTYGVGAGGFFGFGVGGIPGVGAGVPGVGGVPGVGGISPEAQAAAA 420  
QY 421 AKAAKYGVPAAAKAAKAAOFGVPGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAG 480  
Db 421 AKAAKYGVPAAAKAAKAAOFGVPGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAG 480  
QY 481 VGVAPGVGVAPALPGGVGAAAAKSAKVAQAOLRAAAGLGGAGIPGLGVGGVPGCLGVGA 540  
Db 481 VGVAPGVGVAPALPGGVGAAAAKSAKVAQAOLRAAAGLGGAGIPGLGVGGVPGCLGVGA 540  
QY 541 GVPGLGVGAGVPGFAGAGDEGVRRSLSPELREGDPSSSOHLPTSPSSRPVPGALAAKAA 600  
Db 541 GVPGLGVGAGVPGFAGAGDEGVRRSLSPELREGDPSSSOHLPTSPSSRPVPGALAAKAA 600  
QY 601 KYGAAPVGLGGLGALGGVIGIPGVVGGAGPAAAAKAAKAAOFGLVGAAGLGLGVG 660  
Db 601 KYGAAPVGLGGLGALGGVIGIPGVVGGAGPAAAAKAAKAAOFGLVGAAGLGLGVG 660  
QY 661 GLGVPGVGGIGLGGIPAAAAKAAKAAKYGAAAGLGGAGOPPLGGAARFCGLSPFPFGGA 720  
Db 661 GLGVPGVGGIGLGGIPAAAAKAAKAAKYGAAAGLGGAGOPPLGGAARFCGLSPFPFGGA 720  
QY 721 CLGKACGRKRK 731  
Db 721 CLGKACGRKRK 731

RESULT 2

US-08-911-364-1  
; Sequence 1, Application US/08911364  
; Patent No. 5969106  
; GENERAL INFORMATION:  
; APPLICANT: ROTHSTEIN, Aser  
; APPLICANT: KEELY, Fred W.  
; APPLICANT: ROTHSTEIN, Steven J.  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN  
; TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: FOLEY & LARDNER  
; STREET: 3000 K Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 07-AUG-1997  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/023,552  
; FILING DATE: 07-AUG-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bent, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 041082/0104  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 672-5300  
; TELEFAX: (202) 672-5399  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 731 amino acids  
; TYPE: amino acid

; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-911-364-1  
Query Match 99.7%; Score 3775; DB 2; Length 731;  
Best Local Similarity 99.7%; Pred. No. 9.3e-244;  
Matches 729; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 GGVPGAIPGSGVPGGYFYFAGLGGALGGGKPLKXPFPGGLAGAGLGGAGFPAYT 60  
Db 1 GGVPGAIPGSGVPGGYFYFAGLGGALGGGKPLKXPFPGGLAGAGLGGAGFPAYT 60  
QY 61 FPGALPGGVADAAAAYKAAKAGAGLGGVPGVCGLSVAGAVVPPGAGVKPKVPGVGL 120  
Db 61 FPGALPGGVADAAAAYKAAKAGAGLGGVPGVCGLSVAGAVVPPGAGVKPKVPGVGL 120  
QY 121 PGVYPGGVLPGARFPGVGVLPFGVPTGAGVKPAKPGVGGAFAGIPGVPFGPGPGLGY 180  
Db 121 PGVYPGGVLPGARFPGVGVLPFGVPTGAGVKPAKPGVGGAFAGIPGVPFGPGPGLGY 180  
QY 181 PIKAPKIPGSGYGLPYTTGKLPYGTGPGVAGAAKAGAGTGTGTGVPQAAAAKAAKAF 240  
Db 181 PIKAPKIPGSGYGLPYTTGKLPYGTGPGVAGAAKAGAGTGTGTGVPQAAAAKAAKAF 240  
QY 241 GAGAAGVLPGVGGAGVPGVPGAIPGIGIAGVGTAAAAKAAKAAKAAAGLVPGG 300  
Db 241 GAGAAGVLPGVGGAGVPGVPGAIPGIGIAGVGTAAAAKAAKAAKAAAGLVPGG 300  
QY 301 PGFPGVGVGPGAGVPGVPGAGIPVYVPGAGIPGAAVPGVVSPEAAKAAKAYGAR 360  
Db 301 PGFPGVGVGPGAGVPGVPGAGIPVYVPGAGIPGAAVPGVVSPEAAKAAKAYGAR 360  
QY 361 PGVGVGGIPTYGVGAGGPGFGVGGIPGVGAGVPGVGGVPGVGGISPEAQAAAA 420  
Db 361 PGVGVGGIPTYGVGAGGPGFGVGGIPGVGAGVPGVGGVPGVGGISPEAQAAAA 420  
QY 421 AKAAKYGVPAAAAKAAKAAOFGLVPGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAG 480  
Db 421 AKAAKYGVPAAAAKAAKAAOFGLVPGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAG 480  
QY 481 VGVAPGVGVAPALPGGVGAAAAKSAKVAQAOLRAAAGLGGAGIPGLGVGGVPGCLGVGA 540  
Db 481 VGVAPGVGVAPALPGGVGAAAAKSAKVAQAOLRAAAGLGGAGIPGLGVGGVPGCLGVGA 540  
QY 541 GVPGLGVGAGVPGFAGAGDEGVRRSLSPELREGDPSSSOHLPTSPSSRPVPGALAAKAA 600  
Db 541 GVPGLGVGAGVPGFAGAGDEGVRRSLSPELREGDPSSSOHLPTSPSSRPVPGALAAKAA 600  
QY 601 KYGAAPVGLGGLGALGGVIGIPGVVGGAGPAAAAKAAKAAKAAOFGLVGAAGLGLGVG 660  
Db 601 KYGAAPVGLGGLGALGGVIGIPGVVGGAGPAAAAKAAKAAKAAOFGLVGAAGLGLGVG 660  
QY 661 GLGVPGVGGIGLGGIPAAAAKAAKAAKYGAAAGLGGAGOPPLGGAARFCGLSPFPFGGA 720  
Db 661 GLGVPGVGGIGLGGIPAAAAKAAKAAKYGAAAGLGGAGOPPLGGAARFCGLSPFPFGGA 720  
QY 721 CLGKACGRKRK 731  
Db 721 CLGKACGRKRK 731  
RESULT 3  
US-08-464-700-2  
; Sequence 2, Application US/08464700  
; Patent No. 6232458  
; GENERAL INFORMATION:  
; APPLICANT: WEISS, ANTHONY S  
; APPLICANT: MARTIN, STEPHEN L  
; TITLE OF INVENTION: SYNTHETIC POLYNUCLEOTIDES  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Howson and Howson

STREET: Spring House Corporate Cntr, PO Box 457  
CITY: Spring House  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19477  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/464,700  
FILING DATE: 7-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PL6520  
FILING DATE: 22-DEC-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PL9661  
FILING DATE: 28-JUN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/AU93/00655  
FILING DATE: 16-DEC-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Bak, Mary E.  
REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: GH3CUSA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-540-9200  
TELEFAX: 215-540-5818  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 733 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-464-700-2

Query Match 99.7%; Score 3775; DB 3; Length 733;  
Best Local Similarity 99.7%; Pred. No. 9.3e-244;  
Matches 729; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 GGVPAIPGGVGGVFTYTGAGLGGALGGALGGKPLKVPVGGAGLGGAGLGAFAFV 60  
DB 3 GGVPAIPGGVGGVFTYTGAGLGGALGGALGGKPLKVPVGGAGLGGAGLGAFAFV 62  
QY 61 FPGALVPGGVADAAAYKAAKAGAGLGGVGGVGGVGGVGGVGGVGGVGGVGGV 120  
DB 63 FPGALVPGGVADAAAYKAAKAGAGLGGVGGVGGVGGVGGVGGVGGVGGVGGV 122  
QY 121 PGVTPGVLPAGRPGGVLPVPTGAGVKGKAPGVGAFAGIPGVGGPGGPGVPLGY 180  
DB 123 PGVTPGVLPAGRPGGVLPVPTGAGVKGKAPGVGAFAGIPGVGGPGGPGVPLGY 182  
QY 181 PIKAPKPGGYLPYTTGKLPYGGVGGVAGAGKAGYPTGTGVPQAAAAAATAAKF 240  
DB 183 PIKAPKPGGYLPYTTGKLPYGGVGGVAGAGKAGYPTGTGVPQAAAAAATAAKF 242  
QY 241 GAGAGVLPVGGAGVPGVPGALPGIGGIAGVTPAAAAAATAAKAYGAAGLVPVG 300  
DB 243 GAGAGVLPVGGAGVPGVPGALPGIGGIAGVTPAAAAAATAAKAYGAAGLVPVG 302  
QY 301 PGFGVGVVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 360  
DB 303 PGFGVGVVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 362  
QY 361 PGVGVGGIPTYGVGAGGFPFGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGV 420  
DB 363 PGVGVGGIPTYGVGAGGFPFGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGV 422  
QY 421 AKAAYGVGTFAAAAAAATAAKAQGLVPGVGVAPGVGVAPGVGVAPGVGVAPG 480  
DB 423 AKAAYGVGTFAAAAAAATAAKAQGLVPGVGVAPGVGVAPGVGVAPGVGVAPG 482

QY 481 VGVAPGVGYAPATGPGGVAAAAKAAKAAQALRAAGLGGAGIPGLGVGVGVPLGVGA 540  
DB 483 VGVAPGVGYAPATGPGGVAAAAKAAKAAQALRAAGLGGAGIPGLGVGVGVPLGVGA 542  
QY 541 GVPGLGVGAGVPGFAGAGADGVRRSLSPELREGDPSSSOHLESTPSSPRVPGALAAKAA 600  
DB 543 GVPGLGVGAGVPGFAGAGADGVRRSLSPELREGDPSSSOHLESTPSSPRVPGALAAKAA 602  
QY 601 KYGAAPVPLGGLGALGGVGPVGGVAGPAAAAAATAAKAAQOGLVGAAGLGLGVG 660  
DB 603 KYGAAPVPLGGLGALGGVGPVGGVAGPAAAAAATAAKAAQOGLVGAAGLGLGVG 662  
QY 661 GLGVPGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGV 720  
DB 663 GLGVPGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGGVGG 722  
QY 721 CLGKACGRKRK 731  
DB 723 CLGKACGRKRK 733  
RESULT 4  
US-08-678-039A-40  
Sequence 40, Application US/08678039A  
Patent No. 5858662  
GENERAL INFORMATION:  
APPLICANT: Keating, Mark T.  
APPLICANT: Morris, Colleen A.  
TITLE OF INVENTION: Diagnosis of Williams Syndrome and  
TITLE OF INVENTION: Williams Syndrome Cognitive Profile by Analysis of the  
TITLE OF INVENTION: Presence or Absence of a LIM-kinase Gene  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.  
STREET: 555 Thirteenth Street, N.W., Suite 701 East  
STREET: Tower  
CITY: Washington  
STATE: DC  
COUNTRY: U.S.A.  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/678,039A  
FILING DATE: 10-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Saxe, Stephen A.  
REGISTRATION NUMBER: 38,609  
REFERENCE/DOCKET NUMBER: 2323-120A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-624-1589  
TELEFAX: 202-783-6031  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 792 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-678-039A-40  
Query Match 98.7%; Score 3737.5; DB 2; Length 792;  
Best Local Similarity 95.2%; Pred. No. 3.1e-241;  
Matches 729; Conservative 0; Mismatches 2; Indels 35; Gaps 2;  
QY 1 GGVPAIPGGVGGVFTYTGAGLGGALGGALGGKPLKVPVGGAGLGGAGLGAFAFV 60  
DB 27 GGVPAIPGGVGGVFTYTGAGLGGALGGALGGKPLKVPVGGAGLGGAGLGAFAFV 86







TELEPHONE: 415-781-1989  
 TELEFAX: 415-398-3249  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 988 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PRT-US95-02772-5

Query Match 30.6%; Score 1159.5; DB 5; Length 988;

Best Local Similarity 40.5%; Pred. No. 1,1e-69;  
 Matches 353; Conservative 54; Mismatches 279; Indels 185; Gaps 51;

QY 2 GVPG-AIPG-GVPG-----GVYFGAGLGGGALGFG-----GXPLKPVFGGLAGAG 48  
 DB 10 GVPGVGPGVGVPGVGVPGVGVGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 69  
 QY 49 LGAGLGAFFAVFPFGALVPGGVADAAAYKAAKAGAGLG--GVPGVGLGVSGAVVPQ- 105  
 DB 70 SGAGAGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGV 129  
 QY 106 -----PCAGYKPKVPGVGLPGV--YPGVLPGARFPFGVLPVPT--GAGV 149  
 DB 130 AG 188  
 QY 150 KPAPGVGAGAG-----IPGVGFGPGQPGVPL 178  
 DB 189 -----PGVGGAG 240  
 QY 179 GYPIKAPKLPQ-----CYGLPYTTGKLPYGVPGSVAGAGAGAGAGAGAGAGAGAGAG 234  
 DB 241 GVGVPGVGVPGVGVPGV-----GVGVPGVGGAGAGAGAGAGAGAGAGAGAGAGAG 292  
 QY 235 KAAAKFGAGAGAGVLPVG--GAGVP--GVPG-AIPGIG---GIAGVGTPTAAAAAAGAG 285  
 DB 293 GAGAGAGAG--AGSVPGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGV 351  
 QY 286 KAAKYGAAGLVP-----GPGFPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGV 338  
 DB 352 ACAG 411  
 QY 339 PGVVSPEAAKAAKAAKAG 394  
 DB 412 PGVGVPGVGGAG 467  
 QY 395 PGVG-----GVPGVG-----GVPGVGLSPDAKAAKAAKAAKAAKAAKAAKAAKAA 441  
 DB 468 PGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGV 526  
 QY 442 AAQRLGYPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGV 501  
 DB 527 GAGAGSVPGVGV--PGVGV--PGVGV--PGVGV--PGVGV--PGVGV--PGVGV--PGV 579  
 QY 502 AKSAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 547  
 DB 580 AG 639  
 QY 548 --GAGVPGP--GAGADEGRSLSPRLREG--DFSSSQHLPTSPSSPRVPCALAAKAAK 604  
 DB 640 PGVGVPGVGGAG 698  
 QY 605 AVPGP--LGLGLGALG-----GVGTPG--GVVAGPAAAAAATAKAAKAAKAAKAAK 648  
 DB 699 GVPGVGVPGVGVPGVGVPGVGVPGVGVGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 758  
 QY 649 -----VGAAGLG--GLVGGGLGVPGV--GLG-----GIPPAKAAKAAKAAKAAK 690  
 DB 759 GSVPGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGV 818  
 QY 691 --GVLGAGAGQFPLGGVAAKAPGGLSFI--FPG 718

DB 819 GAG 849

# RESULT 8

US-08-212-237-4  
 ; Sequence 4, Application US/08212237  
 ; Patent No. 5606019  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cappello, Joseph  
 ; TITLE OF INVENTION: Synthetic Proteins As Implantables  
 ; NUMBER OF SEQUENCES: 9  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
 ; STREET: Four Embarcadero Center, Suite 3400  
 ; CITY: San Francisco  
 ; STATE: CA  
 ; COUNTRY: U.S.A.  
 ; ZIP: 94111-4187  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/212,237  
 ; FILING DATE: 11-MAR-1994  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Rowland, Bertram I  
 ; REGISTRATION NUMBER: 20,015  
 ; REFERENCE/DOCKET NUMBER: A-58847/BIR  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-781-1989  
 ; TELEFAX: 415-398-3249  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 832 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-212-237-4

Query Match 30.6%; Score 1159; DB 1; Length 832;

Best Local Similarity 44.4%; Pred. No. 1e-69;

Matches 350; Conservative 49; Mismatches 243; Indels 146; Gaps 55;

QY 2 GVPG-AIPG-GVPG-----GVYFGAGLGGGALGPGGKPLKVPVGLGAGAGLGA 55  
 DB 10 GVPGVGPGVGVPGVGVPGVGVGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 64  
 QY 56 FPVTPFGALVPGGVADAAAYKAAKAGAGLG--GVPGVGLGVSGAVVPQ---PGAGV 110  
 DB 65 VPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGV 124  
 QY 111 KPQKVPFVGLPGV--YPGVLPGARFPFGVLPVPT--GAGYKPKAPGVGAGFAG----- 162  
 DB 125 GAGSVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGV 179  
 QY 163 -----IPGVG--PFGSPQPGVP--LGYPIKAPKLPFGVGLPYTTGKLPYGVG- 205  
 DB 180 SGAG 223  
 QY 206 PG--GVAGAAKAGYPTGTGVPQAAAAAATAKAAKAAKAAKAAKAAKAAKAAKAAKAA 261  
 DB 224 PGVGVPGVGV--AG 280  
 QY 262 AIPGIGIAGVGTPTAAAAAATAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 319  
 DB 281 GVPGV--GVPGVPGVGGAG 335  
 QY 320 VPGAGLFPVPGAGIFGCAAVPGVSPPEAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 379



STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/02772  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Rowland, Bertram I  
REGISTRATION NUMBER: 20,015  
REFERENCE/DOCKET NUMBER: FP-58847-1-PC/BIR  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-398-3249  
TELEFAX: 415-398-3249  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 832 amino acids  
TYPE: amino acid  
STRANDEDNESS: Single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US95-02772-4

Query Match 30.6%; Score 1159; DB 5; Length 832;  
Best Local Similarity 44.4%; Pred. No. 1e-69;  
Matches 350; Conservative 49; Mismatches 243; Indels 146; Gaps 55;  
QY 2 GYPC-AIPG-GVPG---GVFPAGLGGALGPGKPLKVPVGGLAGAGLAGLA 55  
DB 10 GYPCGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 64  
QY 56 PFATVFCAUFGVADAAAAYKAAKAGAGL---GVPGVGLGVAGAVVPO---PGAGV 110  
DB 65 VPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 124  
QY 111 KPEKVPVGLPGV-YPGVLPAGRPFGVGLPGVPT-GAGVKPKAPGVGGAGFAG----- 162  
DB 125 GAGSVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 179  
QY 163 -----IPGVG--PFGGPGVPGV-LGYPIKAPKLPGGYGLPYTTGKLPYCYG- 205  
DB 180 SGAGAGSAGAGSVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 223  
QY 206 PG-GVAGAGKAGYPTGTGVPQAAAAAAKAAKAFGAGAAGY-LFGVPG--GAGVPGVPG 261  
DB 224 PGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 280  
QY 262 ATPGIGTAGVTPAAAAAAKAAKAGAGLPGVPGVPGVPGVPGVPGVPGVPGVPG 319  
DB 281 GYPCGV-GVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 335  
QY 320 VPGAGIPVPGAGIPVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 379  
DB 336 VPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 386  
QY 380 GFGVGGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 435  
DB 387 GVGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 441  
QY 436 AKAANKAAQFLVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 495  
DB 442 SGAGA-----GSVPVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 489  
QY 496 GGYAAAKAAKAAKAAQALAGAGLPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 552  
DB 490 AGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAG 549

QY 553 GF-GAGADEGVRRSLSPELREGDFSSQHLPTSPSSRVFGALAAAAKAAKYGAAPGV-L 610  
DB 550 GVGAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGS 597  
QY 611 GGLGALG-----GVGIPG-GVVGAGPAAAAKAAKAAQAGLGVAGAGLGGVGLGVP 665  
DB 598 PGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 657  
QY 666 GVG-----GLG-----GIPPAKAAKAAKYGAAGLGGVGLG-----GAGOFFLGGVAAAPGV 711  
DB 658 GVGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 714  
QY 712 LSPI-FPG 718  
DB 715 VPGVPGVPG 722

## RESULT 11

US-08-806-029-19  
Sequence 19, Application US/08806029  
Patent No. 6380154  
GENERAL INFORMATION:  
APPLICANT: Cappello, Joseph  
APPLICANT: Stedronsky, Erwin R.  
TITLE OF INVENTION: Synthetic Proteins for in vivo Drug  
TITLE OF INVENTION: Delivery and Tissue Augmentation  
NUMBER OF SEQUENCES: 36  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/806,029  
FILING DATE: 24-FEB-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/212,237  
FILING DATE: 11-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Treccartin, Richard F.  
REGISTRATION NUMBER: 31,801  
REFERENCE/DOCKET NUMBER: A-58847-2/RFT/MTK  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 889 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-806-029-19

Query Match 29.9%; Score 1130.5; DB 4; Length 889;  
Best Local Similarity 44.0%; Pred. No. 8.6e-68;  
Matches 347; Conservative 59; Mismatches 230; Indels 153; Gaps 57;  
QY 2 GYPC-AIPG-GVPG---GVFPAGLGGALGPGKPLKVPVGGLAGAGLGLG- 54  
DB 125 GYPCGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 175  
QY 55 -----APPAVTFPAGLVPG-----GVADAAAAYKAAKAGAGLGGVPGVPG-GLGVSAGA 101



Query Match	29.9%; Score 1130; DB 4; Length 936;
Best Local Similarity	40.6%; Pred. No. 9.7e-68;
Matches 363; Conservative	45; Mismatches 245; Indels 240; Gaps 59
QY	2 GVFG-AIFG-GVPG-----GVFFPGAGLGLGGALGP-----33
	:          :    :    :    :
Dd	114 GVPGVGVPGVGCVGVPGVGVPGVGGAGAGAGAGSVPGVGVGVPGVGVP
	:          :    :    :    :
QY	34 -----GRKLKPVFG-LAGAGLGAIGLAGFPAVTFPGALVPGGVADAAAAYKAA 80
	:    :    :    :    :    :    :
Dd	174 GVCVPGVGVPGVGVGVPGVGGAGAGAGAGSVPGVGVGVPGVGVPGVG
	:    :    :    :    :    :    :
QY	81 KACAGLG--GVFGVGLGSYSAVVPPQGAGVTPG-KYPGVLCLPQV-YPCGVLPGARP
	:  :            :  :
Dd	234 VPGVGVPGVGVGVPGVGGAGAGS-----GAGSVPGVGVGVPGVGVPGVGVP
	:  :            :  :
QY	137 VGVLPGVPTGTAGVKAPGVGGANFAG-----IPGVGFPGQPQGVPL-GYPIRAPKL
	:    :    :    :    :    :    :

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REFERENCE/POCKET NUMBER: FP-58847-1-PC-/BI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-781-1989
TELEFAX: 415-398-3249
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 936 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-02772-3

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[illegible]

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Qy      680 KAAKVGAGLG----GVILG-GAQGPFLGGVAARPGLSLPIFFGCACLKGACG 72
Db      884 SVPGVGVPGVGVPGVGVGVGVGVGVGV-PCGVPGVGV--GGAGAGSGAG 93

RESULT 15
US-08-397-633A-54
; Sequence 54, Application US/08397633A
; Patent No. 5773577
; GENERAL INFORMATION:
; APPLICANT: Cappello, Joseph
; TITLE OF INVENTION: PRODUCTS COMPRISING SUBSTRATESCAPABLE
; TITLE OF INVENTION: OF ENZYMA TIC CROSS-LINKING
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Paten tin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,633A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Rowland, Bertram I
; REGISTRATION NUMBER: 20,015
; REFERENCE/JACKET NUMBER: A-58848-1/BIR PROP-011-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 877 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-397-633A-54

Query Match          29.8%; Score 1126.5; DB 1; Length 877;
Best Local Similarity 44.0%; Pred.No.1.6e-67;
Matches 347; Conservative 59; Mismatches 230; Indels 153; Gaps 1

Qy      2   GVPG-AIPG-GVPG-----GVYFPAGIGALGGALPQGKPLKVPVPGLAGAGLGA 1
Db      84   GYPGVGVPGVGVPGVGVPGVGVPGAGAGS-GAGA-GSGA-----GAGSGAGAGS 1
Qy      55   -----AFNAVTPGALVPG---GVADAAAAYKAAGAGLGGVPGV-GLGVSVS 1
Db      135  PGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGAGAGSGAGAGSGAGSGAG 1
Qy      102  VYPPQAGVKPKGVPGVLPGCV-YPGVGLPGARFFPGVGLPGVPTGAGV-KPKAPGVG 1
Db      195  VGVGFGVGVPGVGVPGVGVPGVGVPGVGVPGVGVPGVGV-PCAGAGSGAGAGSGAGA 1
Qy      158  ---GAFAGIPGVGPFPGQPQGVPLGYPIKAPKLPGCYGLPYTTTKLYGTG-PG-GV 1
Db      254  AGAGSGVGVPGVGVPGVGVPGCV--GVY-----GVGVP-----GVGVGVGVGV 1
Qy      213  AKGAGYPTGTGVGQQAAAAAAAKAKFKGAGAGV-LPGCV--GAGYVPGVPGALPGI 1
Db      295  VGVPGAGAGSGAGAGSGAGAGSGAGSGVGVPGVGVPGVGVPGVGVPGV- -GVPGV 1
Qy      268  --GIAGVTPTAAAAAAAKAAAKYGAAAGLVPGGFPGVGVPGAGVGVPGVGVGVGV 1

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Search completed: October 10, 2003, 18:43:10  
Job time : 36.5963 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 10, 2003, 18:41:34 ; Search time 55.1597 Seconds  
(without alignments)  
2135.343 Million cell updates/sec

Title: US-09-964-662-1  
Perfect score: 3785  
Sequence: 1 GGVPGAIPGGVPGVYFPGA.....LSPIFFGAGLGRACGRKRK 731

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 600653 seqs, 161128416 residues  
Total number of hits satisfying chosen parameters: 600653

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA.\*  
1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US05\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Length	DB ID	Description
1	3785	100.0	731	US-09-964-662-1
2	3565.5	94.2	730	US-09-961-403-8
3	1123	29.7	884	US-10-117-931-15
4	1122	29.6	1002	US-10-117-931-25
5	1118	29.5	1465	US-10-096-986-74
6	1116.5	29.5	745	US-09-837-969A-38
7	1116.5	29.5	745	US-09-841-321A-38
8	1107	29.2	2257	US-10-096-986-82
9	1100	29.1	936	US-10-117-931-30
10	1070.5	28.3	2055	US-10-096-986-81
11	1049	27.7	966	US-10-117-931-34
12	998	26.4	782	US-09-837-969A-37
13	998	26.4	782	US-09-841-321A-37
14	998	26.4	2003	US-09-837-969A-34
15	998	26.4	2003	US-09-841-321A-34

16	993	26.2	1085	9	US-09-837-969A-35	Sequence 35, App
17	993	26.2	1085	10	US-09-841-321A-35	Sequence 35, App
18	976	25.8	1085	9	US-09-837-969A-39	Sequence 39, App
19	976	25.8	1085	10	US-09-841-321A-39	Sequence 39, App
20	975.5	25.8	859	15	US-10-096-986-77	Sequence 77, App
21	975.5	25.8	1255	9	US-09-837-969A-18	Sequence 18, App
22	975.5	25.8	1255	10	US-09-841-321A-18	Sequence 18, App
23	967	25.5	2018	15	US-10-096-986-80	Sequence 80, App
24	958.5	25.3	605	9	US-09-837-969A-40	Sequence 40, App
25	958.5	25.3	605	10	US-09-841-321A-40	Sequence 40, App
26	958.5	25.3	605	12	US-10-356-088-62	Sequence 62, App
27	945.5	25.0	1011	15	US-10-096-986-94	Sequence 94, App
28	936	24.7	1300	9	US-09-837-969A-55	Sequence 55, App
29	936	24.7	1300	10	US-09-841-321A-55	Sequence 55, App
30	930	24.6	635	9	US-09-837-969A-25	Sequence 25, App
31	930	24.6	635	10	US-09-837-969A-36	Sequence 36, App
32	930	24.6	635	10	US-09-841-321A-25	Sequence 25, App
33	930	24.6	635	10	US-09-841-321A-36	Sequence 36, App
34	884.5	23.4	450	9	US-09-812-382-6	Sequence 6, Appli
35	717.5	19.0	200	12	US-09-964-662-2	Sequence 2, Appli
36	711.5	18.8	199	12	US-09-964-662-11	Sequence 11, Appl
37	710	18.8	378	15	US-10-117-931-26	Sequence 26, Appl
38	704.5	18.6	1177	15	US-10-096-986-64	Sequence 64, Appl
39	671	17.7	979	15	US-10-096-986-89	Sequence 89, Appl
40	663.5	17.5	766	15	US-10-096-986-88	Sequence 88, Appl
41	658.5	17.4	651	9	US-09-861-597-1	Sequence 1, Appli
42	655.5	17.3	714	9	US-09-861-597-10	Sequence 10, Appl
43	647	17.1	1101	15	US-10-096-986-83	Sequence 83, Appl
44	634	16.8	606	9	US-09-861-597-4	Sequence 4, Appli
45	619.5	16.4	606	9	US-09-861-597-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1  
US-09-964-662-1  
; Sequence 1, Application US/09964662  
; Publication NO. US20030165846A1  
; GENERAL INFORMATION:  
; APPLICANT: PROTEIN SPECIALTIES LTD.  
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0112  
; CURRENT APPLICATION NUMBER: US/09/964,662  
; PRIOR FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 731  
; TYPE: PPT  
; ORGANISM: Homo sapiens  
US-09-964-662-1

Query Match	100.0%	Score 3785;	DB 12;	Length 731;
Best Local Similarity	100.0%	Pred. NO. 7.4e-216;		
Matches 731;	Conservative	0;	Mismatches	0;
			Indels	0;
QY	1	GGVPGAIPGGVPGVYFPGAIGALGGALGGKPLKVPVGGLAGAGLGAIGAGFAFPAVT	60	
DB	1	GGVPGAIPGGVPGVYFPGAIGALGGALGGKPLKVPVGGLAGAGLGAIGAGFAFPAVT	60	
QY	61	FPGALVPGGVADAAAAYKAAKAGAGLGGVGGGLGVSAGAVVPPGAGKPKGVPGVL	120	
DB	61	FPGALVPGGVADAAAAYKAAKAGAGLGGVGGGLGVSAGAVVPPGAGKPKGVPGVL	120	
QY	121	PGVPGVLPGARPGVGLPGVFTGAGYKPKAPGVGGAFAGIPGVPGPGPGVPLGY	180	
DB	121	PGVPGVLPGARPGVGLPGVFTGAGYKPKAPGVGGAFAGIPGVPGPGPGVPLGY	180	



[illegible]





Q7 154 -----PGVGGARACIPGVG--PFGGPDGPV-LGYPIKAPKIPGG 190









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; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(782)
; OTHER INFORMATION: Synthetic
US-09-837-969A-37
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Query Match 26.4%; Score 998; DB 9; Length 782;
Best Local Similarity 41.7%; Pred. No. 2.le-51;
Matches 336; Conservative 47; Mismatches 270; Indels 152; Gaps 63;

QY 2 GVPG-AIPG-GVPG-----GVFPAGAGLGGGALG-PG-GKPLKVPVG-GLAGAGLGA 52
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Db 3 GVPGVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVP 62
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 53 LGAPPAVTFPGALVPGGVADAAAYAAKAGAGLG--GVPGVG--GLGVAGAGV--VPOP 106
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 63 VGV--PGVGVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVG 121
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 107 GAGVKPKVPGVGLPGV-YPGVLPGARFPGVGLPVPT-GAGV--KPKAPGVGAAG 162
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 122 GVPVPGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 180
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 163 IPGVGPFPGPQPGVPL-GYTIKAPKLPG---GYGLPYTTGKLPYGPVGSAGAAKAG 217
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 181 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 230
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 218 YPTGTGVPQAAAAAATAKAAKAGAGV-LPGVG--GAGVPGV-----PG-AIPG 265
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 231 VP-GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 289
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 266 IG----GIAGVCTPAAAAAATAKAAKAGAGV--GGPFGG-PGV--GVVPGAG 314
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 290 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 346
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 315 VGVVPGAGIP--VVPAGIPGAAPGVVSPAAAAAATAKAAKAGVGVGV--GIPT 370
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 347 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 405
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 371 YGVGAGGFPFGV-GVG----GIPVAGVPGVG---GVPVG---GVPVGIPEAQA 417
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 406 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 459
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 418 AAAAAAATAKAAKAGVTPAAAAAATAKAAKAGVGVGVGVGVGVGVGVGVGVGV 477
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 460 -----GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 498
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 478 -----APGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 530
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 499 PGRGDSFGVGV--PGVGV--PGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 556
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 531 VGVVPGLV--GAGVPGLV--GAGVPGFAGAGDREGVRRSLSPELREGDSSSOHLPTSPSSP 588
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 557 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 602
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 589 RVFGALAAAAAATAKAAKAGVGV--LGGLGALG----GVGIPG--GVVAGAPAAAAAATAK 642
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 603 GVPVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 662
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 643 AAQFGLVAGAGL--GLGVGGLGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 694
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 663 VGVVPG--VGVVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 721
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 695 GAGQPLGVAAAPGFLGPI-FPG 718
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 722 GRGDSFGVGV---PGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 743
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
```

RESULT 13

```
US-09-841-321A-37
; Sequence 37, Application US/09841321A
; Patent No. US20020116069A1
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
```

```
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BERL-020/04US
; CURRENT APPLICATION NUMBER: US/09/841,321A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 782
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(782)
; OTHER INFORMATION: Synthetic
US-09-841-321A-37
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Query Match 26.4%; Score 998; DB 10; Length 782;
Best Local Similarity 41.7%; Pred. No. 2.le-51;
Matches 336; Conservative 47; Mismatches 270; Indels 152; Gaps 63;
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QY 2 GVPG-AIPG-GVPG-----GVFPAGAGLGGGALG-PG-GKPLKVPVG-GLAGAGLGA 52
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 3 GVPGVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVG 62
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 53 LGAPPAVTFPGALVPGGVADAAAYAAKAGAGLG--GVPGVG--GLGVAGAGV--VPOP 106
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 63 VGV--PGVGVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVG 121
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 107 GAGVKPKVPGVGLPGV-YPGVLPGARFPGVGLPVPT-GAGV--KPKAPGVGAAG 162
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 122 GVPVPGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 180
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 163 IPGVGPFPGPQPGVPL-GYTIKAPKLPG---GYGLPYTTGKLPYGPVGSAGAAKAG 217
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 181 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 230
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 218 YPTGTGVPQAAAAAATAKAAKAGAGV-LPGVG--GAGVPGV-----PG-AIPG 265
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 231 VP-GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 289
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 266 IG----GIAGVCTPAAAAAATAKAAKAGAGV--GGPFGG-PGV--GVVPGAG 314
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 290 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 346
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 315 VGVVPGAGIP--VVPAGIPGAAPGVVSPAAAAAATAKAAKAGVGVGV--GIPT 370
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 347 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 405
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 371 YGVGAGGFPFGV-GVG----GIPVAGVPGVG---GVPVG---GVPVGIPEAQA 417
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 406 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 459
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 418 AAAAAAATAKAAKAGVTPAAAAAATAKAAKAGVGVGVGVGVGVGVGVGVGVGV 477
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 460 -----GVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 498
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 478 -----APGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 530
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 499 PGRGDSFGVGV--PGVGV--PGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 556
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 531 VGVVPGLV--GAGVPGLV--GAGVPGFAGAGDREGVRRSLSPELREGDSSSOHLPTSPSSP 588
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 557 VGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 602
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 589 RVFGALAAAAAATAKAAKAGVGV--LGGLGALG----GVGIPG--GVVAGAPAAAAAATAK 642
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 603 GVPVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 662
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 643 AAQFGLVAGAGL--GLGVGGLGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 694
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 663 VGVVPG--VGVVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 721
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
QY 695 GAGQPLGVAAAPGFLGPI-FPG 718
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
Db 722 GRGDSFGVGV---PGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGVGV 743
   ||||| :||| ||||| ||| ||| :||| ||| ||||| ||| ||| :||| ||| :|||
```





Pending Nucleic Acid and Pending Amino Acid database searches generate two sets of results each. The Pending databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Searches run against the Nucleic Acid Pending database produce two sets of results, with the extensions .nrpm and .nrpn

Searches run against the Amino Acid Pending database produce two sets of results, with the extensions .rapm and .rapn

***Because they contain data that is confidential, the results of Pending database searches should not be left in the case .***

2	3781	99.9	757	32	US-60-453-050-10289	Sequence 10289, A
3	3781	99.9	757	32	US-60-453-135-10289	Sequence 10289, A
4	3781	99.9	757	32	US-60-466-412-10289	Sequence 10289, A
5	3775	99.7	731	21	US-09-743-818-4	Sequence 4, Appli
6	3775	99.7	733	18	US-09-463-091-2	Sequence 2, Appli
7	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
8	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
9	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
10	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
11	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
12	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
13	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
14	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
15	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
16	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
17	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
18	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
19	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
20	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
21	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
22	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
23	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
24	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
25	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
26	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
27	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
28	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
29	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
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31	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
32	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
33	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
34	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
35	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
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40	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
41	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
42	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
43	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
44	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli
45	3775	99.7	737	1	PCR-US03-09391-2	Sequence 2, Appli

OM protein - protein search, using sw model

Run on: October 10, 2003, 18:38:08 ; Search time 534.46 Seconds  
(without alignments)  
1244.528 Million cell updates/sec

Title: US-09-964-662-1  
Perfect score: 3785  
Sequence: 1 GGVGAIPGVGVGVGVGA.....LSPIFFGGACLGKACGRKK 731

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 5728757 seqs, 909918778 residues

Total number of hits satisfying chosen parameters: 5728757

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*

1: /cgn2.6/ptodata/1/paa/US06\_COMB.pap.\*  
2: /cgn2.6/ptodata/1/paa/US06\_COMB.pap.\*  
3: /cgn2.6/ptodata/1/paa/US07\_COMB.pap.\*  
4: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
5: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
6: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
7: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
8: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
9: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
10: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
11: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
12: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
13: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
14: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
15: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
16: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
17: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
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21: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
22: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
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24: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
25: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
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27: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
28: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
29: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
30: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
31: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
32: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*  
33: /cgn2.6/ptodata/1/paa/US08\_COMB.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Length	ID	Description
1	3785	100.0	731	25 US-09-964-662-1

Query Match 100.0%; Score 3785; DB 25; Length 731;  
Best Local Similarity 100.0%; Pred. No. 1.2e-236;  
Matches 731; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

ALIGNMENTS

RESULT 1  
US-09-964-662-1  
; Sequence 1, Application US/09964662  
; GENERAL INFORMATION:  
; APPLICANT: PROTEIN SPECIALTIES LTD.  
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0112  
; CURRENT APPLICATION NUMBER: US/09/964,662  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ IDS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 731  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-964-662-1

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QY 1 GVPGAIAGVPGVGGVYFPGAGLGGGALGPGKPLKPVPGGLAGAGLAGAGLAPAVT 60
Db 1 GVPGAIAGVPGVGGVYFPGAGLGGGALGPGKPLKPVPGGLAGAGLAGAGLAPAVT 60
QY 61 FPGALVPGGVADAAAAYAAKAGAGLGGVPGVGGGLGVSAGAVVPGAGVKGKVPVGL 120
Db 61 FPGALVPGGVADAAAAYAAKAGAGLGGVPGVGGGLGVSAGAVVPGAGVKGKVPVGL 120
QY 121 PGVPGVLPGARPPGVGLPVPYTGAGVKKAPGVGGAGFAGIPGVPGPGPQCPVPLGY 180
Db 121 PGVPGVLPGARPPGVGLPVPYTGAGVKKAPGVGGAGFAGIPGVPGPGPQCPVPLGY 180
QY 181 PIKAPKPGGLGLPYTTGKLPYGGVAGAGKAGYPTGTGVPQAAAAAATAAKAF 240
Db 181 PIKAPKPGGLGLPYTTGKLPYGGVAGAGKAGYPTGTGVPQAAAAAATAAKAF 240
QY 241 GAGAAGVLPVGGAGVPGVPCAIPIGIGTAGVTPAAAAAATAAKAAGAGLVP 300
Db 241 GAGAAGVLPVGGAGVPGVPCAIPIGIGTAGVTPAAAAAATAAKAAGAGLVP 300
QY 301 PGVPGVPGVPGAGVPGVPGAGIPVPGAGIPGAAPVPGVSPAAAAAATAAKYGAR 360
Db 301 PGVPGVPGVPGAGVPGVPGAGIPVPGAGIPGAAPVPGVSPAAAAAATAAKYGAR 360
QY 361 PGVPGVGIPTVGGAGGPGVGGVGGIPGVAGVPGVGGVPGVGGVGGVGGVGGV 420
Db 361 PGVPGVGIPTVGGAGGPGVGGVGGIPGVAGVPGVGGVPGVGGVGGVGGVGGV 420
QY 421 AKAAYGTGTAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGVAPGVAGV 480
Db 421 AKAAYGTGTAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGVAPGVAGV 480
QY 481 VGVAPGVAPAGVPGVAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGV 540
Db 481 VGVAPGVAPAGVPGVAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGV 540
QY 541 GVPLGVAGVPGVAGAGVRRSLSPBLREGDPSSQHLPTSPSPRVPGALAAKAA 600
Db 541 GVPLGVAGVPGVAGAGVRRSLSPBLREGDPSSQHLPTSPSPRVPGALAAKAA 600
QY 601 KYGAAPVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 660
Db 601 KYGAAPVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 660
QY 661 GLGVPGVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 720
Db 661 GLGVPGVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 720
QY 721 CLGKACGRKRK 731
Db 721 CLGKACGRKRK 731
```

## RESULT 2

```
US-60-050-10289
; Sequence 10289, Application US/60453050
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: LUKE, May
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001457
; CURRENT APPLICATION NUMBER: US/60/453,050
; NUMBER OF SEQ ID NOS: 2003-03-10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-050-10289
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Query Match 99.9%; Score 3781; DB 32; Length 757;
Best Local Similarity 99.9%; Pred. No. 2.2e-236;
Matches 730; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGVPCAIAGVPGVGGVYFPGAGLGGGALGPGKPLKPVPGGLAGAGLAGAGLAPAVT 60
Db 27 GGVPCAIAGVPGVGGVYFPGAGLGGGALGPGKPLKPVPGGLAGAGLAGAGLAPAVT 86
QY 61 FPGALVPGGVADAAAAYAAKAGAGLGGVPGVGGGLGVSAGAVVPGAGVKGKVPVGL 120
Db 87 FPGALVPGGVADAAAAYAAKAGAGLGGVPGVGGGLGVSAGAVVPGAGVKGKVPVGL 146
QY 121 PGVPGVLPGARPPGVGLPVPYTGAGVKKAPGVGGAGFAGIPGVPGPGPQCPVPLGY 180
Db 147 PGVPGVLPGARPPGVGLPVPYTGAGVKKAPGVGGAGFAGIPGVPGPGPQCPVPLGY 206
QY 181 PIKAPKPGGLGLPYTTGKLPYGGVAGAGKAGYPTGTGVPQAAAAAATAAKAF 240
Db 207 PIKAPKPGGLGLPYTTGKLPYGGVAGAGKAGYPTGTGVPQAAAAAATAAKAF 266
QY 241 GAGAAGVLPVGGAGVPGVPGAGIPVPGAGIPGAAPVPGVSPAAAAAATAAKYGAR 300
Db 267 GAGAAGVLPVGGAGVPGVPGAGIPVPGAGIPGAAPVPGVSPAAAAAATAAKYGAR 326
QY 301 PGVPGVPGVPGAGVPGVPGAGIPVPGAGIPGAAPVPGVSPAAAAAATAAKYGAR 360
Db 327 PGVPGVPGVPGAGVPGVPGAGIPVPGAGIPGAAPVPGVSPAAAAAATAAKYGAR 386
QY 361 PGVPGVGIPTVGGAGGPGVGGVGGIPGVAGVPGVGGVPGVGGVGGVGGVGGV 420
Db 387 PGVPGVGIPTVGGAGGPGVGGVGGIPGVAGVPGVGGVPGVGGVGGVGGVGGV 446
QY 421 AKAAYGTGTAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGVAPGVAGV 480
Db 447 AKAAYGTGTAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGVAPGVAGV 506
QY 481 VGVAPGVAPAGVPGVAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGV 540
Db 507 VGVAPGVAPAGVPGVAAAAAATAAKAAQGLVPGVAGVAPGVAGVAPGVAGV 566
QY 541 GVPGLGVAGVPGVAGAGVRRSLSPBLREGDPSSQHLPTSPSPRVPGALAAKAA 600
Db 567 GVPGLGVAGVPGVAGAGVRRSLSPBLREGDPSSQHLPTSPSPRVPGALAAKAA 626
QY 601 KYGAAPVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 660
Db 627 KYGAAPVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 686
QY 661 GLGVPGVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 720
Db 687 GLGVPGVGLGGLGAGVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGV 746
QY 721 CLGKACGRKRK 731
Db 747 CLGKACGRKRK 757
```

## RESULT 3

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US-60-453-135-10289
; Sequence 10289, Application US/60453135
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001456
; CURRENT APPLICATION NUMBER: US/60/453,135
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-818-4

Query Match          99.7%; Score 3775; DB 21; Length 731;
Best Local Similarity 99.7%; Pred. No. 5.2e-236;
Matches 729; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGVPAIGPGVPGVFFYPGAGLGGALGPGGKPLKVPVGLAGAGLGAFAFPAVT 60
Db 1 GGVPAIGPGVPGVFFYPGAGLGGALGPGGKPLKVPVGLAGAGLGAFAFPAVT 60
QY 61 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGLGVSAGAVVPPQAGVPGKVPVGL 120
Db 61 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGLGVSAGAVVPPQAGVPGKVPVGL 120
QY 121 PGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 180
Db 121 PGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 180
QY 181 PIKAPKLPGGYGLPYTTGKLPYGGVAGAGKAGYPTGCTGVPQAAAAAATAAKAF 240
Db 181 PIKAPKLPGGYGLPYTTGKLPYGGVAGAGKAGYPTGCTGVPQAAAAAATAAKAF 240
QY 241 GAGAGVLPVGGAGVPGVPGALPGIGGTAGVGPAAAAAATAAKYGAAGLVPGG 300
Db 241 GAGAGVLPVGGAGVPGVPGALPGIGGTAGVGPAAAAAATAAKYGAAGLVPGG 300
QY 301 PGFGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 360
Db 301 PGFGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 360
QY 361 PGVPGVGGIPTGAGAGFPFGVGGVGGIPGVAGVPGVPGVPGVPGVPGVPGVPGV 420
Db 361 PGVPGVGGIPTGAGAGFPFGVGGVGGIPGVAGVPGVPGVPGVPGVPGVPGVPGV 420
QY 421 AKAAKYGVGTGTPAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPGVAPG 480
Db 421 AKAAKYGVGTGTPAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPGVAPG 480
QY 481 VGVAPGVGVAIPGPGVAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPG 540
Db 481 VGVAPGVGVAIPGPGVAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPG 540
QY 541 GVPLGVGAGVPGFAGAGAGVRRSLSPRLREGDPSQHLPTSPSSPRVPALAAKAA 600
Db 541 GVPLGVGAGVPGFAGAGAGVRRSLSPRLREGDPSQHLPTSPSSPRVPALAAKAA 600
QY 601 KYGAAVPGVGLGALGVGIPGVVGVAGPAAAAAATAAKAAQFGLYCAAGLGLGVG 660
Db 601 KYGAAVPGVGLGALGVGIPGVVGVAGPAAAAAATAAKAAQFGLYCAAGLGLGVG 660
QY 661 GLGVPGVGLGAGIPAAAAAATAAKYGAAGLGVGLGAGQFPLGGVAPRPGVLSIFPGGA 720
Db 661 GLGVPGVGLGAGIPAAAAAATAAKYGAAGLGVGLGAGQFPLGGVAPRPGVLSIFPGGA 720
QY 721 CLGKACGRKK 731
Db 721 CLGKACGRKK 731

RESULT 6
US-09-463-091-2
; Sequence 2, Application US/09463091
; GENERAL INFORMATION:
; APPLICANT: WEISS, ANTHONY S
; UNIVERSITY, SYDNEY
; TITLE OF INVENTION: TROPOLASTIN DERIVATIVES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: GRIFFITH HACK
; STREET: 168 WALKER STREET
; CITY: NORTH SYDNEY
; STATE: NEW SOUTH WALES
; COUNTRY: AUSTRALIA
; ZIP: 2060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/463,091
; APPLICATION NUMBER: AU P08117
; FILING DATE: 31-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU P08117
; FILING DATE: 18-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: GUMLEY, THOMAS P
; REFERENCE/DOCKET NUMBER: 04828ZK
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 61 2 9957 5944
; TELEFAX: 61 2 9957 6288
; TELEX: 26547
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 733 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-463-091-2

Query Match          99.7%; Score 3775; DB 18; Length 733;
Best Local Similarity 99.7%; Pred. No. 5.2e-236;
Matches 729; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GGVPAIGPGVPGVFFYPGAGLGGALGPGGKPLKVPVGLAGAGLGAFAFPAVT 60
Db 3 GGVPAIGPGVPGVFFYPGAGLGGALGPGGKPLKVPVGLAGAGLGAFAFPAVT 62
QY 61 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGLGVSAGAVVPPQAGVPGKVPVGL 120
Db 63 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGLGVSAGAVVPPQAGVPGKVPVGL 122
QY 121 PGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 180
Db 123 PGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 182
QY 181 PIKAPKLPGGYGLPYTTGKLPYGGVAGAGKAGYPTGCTGVPQAAAAAATAAKAF 240
Db 183 PIKAPKLPGGYGLPYTTGKLPYGGVAGAGKAGYPTGCTGVPQAAAAAATAAKAF 242
QY 241 GAGAGVLPVGGAGVPGVPGALPGIGGTAGVGPAAAAAATAAKYGAAGLVPGG 300
Db 243 GAGAGVLPVGGAGVPGVPGALPGIGGTAGVGPAAAAAATAAKYGAAGLVPGG 302
QY 301 PGFGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 360
Db 303 PGFGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 362
QY 361 PGVPGVGGIPTGAGAGFPFGVGGVGGIPGVAGVPGVPGVPGVPGVPGVPGVPGV 420
Db 363 PGVPGVGGIPTGAGAGFPFGVGGVGGIPGVAGVPGVPGVPGVPGVPGVPGVPGV 422
QY 421 AKAAKYGVGTGTPAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPGVAPG 480
Db 423 AKAAKYGVGTGTPAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPGVAPG 482
QY 481 VGVAPGVGVAIPGPGVAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPG 540
Db 481 VGVAPGVGVAIPGPGVAAAAAATAAKAAQFGLVPGVAPGVPGVAPGVPGVAPG 540
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Db      433  VGVAPGVGVAPGIPGCGVNAAKAAKAAVAAKAQIRAAAGLGGAGIPGLGVGVGVPGLGVGA  542
QY      541  GVPGLGVGAGVPGFGAGADEGVRRSLSPELREGDPSSQHLPTSPSPRVPGALAAAKAA  600
Db      543  GVPGLGVGAGVPGFGAGADEGVRRSLSPELREGDPSSQHLPTSPSPRVPGALAAAKAA  602
QY      601  KYGAAPVGVGLGGLGALGGVTPGGVVGAGPAAAKAAAKAAAFGLVGAAGLGLGVG  660
Db      603  KYGAAPVGVGLGGLGALGGVTPGGVVGAGPAAAKAAAKAAAFGLVGAAGLGLGVG  662
QY      661  GLGVPGVGGGLGPPAPAAAKAAKYGAAGLGVGLGGAGQPLGGVAARPGFLSPFPGGA  720
Db      663  GLGVPGVGGUGLGIPPAAAKAAKYGAAGLGVGLGGAGQPLGGVAARPGFLSPFPGGA  722
QY      721  CLGKACGRKRX 731
Db      723  CLGKACGRKRX 733

RESULT 7
PCT-US03-09391-2
; Sequence 2, Application PC/TUS0309391
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: ELASTIN PREVENTS OCCLUSION OF BODY VESSELS BY VASCULAR SMOOTH
; TITLE OF INVENTION: MUSCLE CELLS
; FILE REFERENCE: HYDR-PWO-005
; CURRENT APPLICATION NUMBER: PCT/US03/09391
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-09391-2

```

Qy	481	VGVAPGVGVGAPATPGCGVAAAKSAAKVAAKAQLRAAAGLGGAGIPGLGVGVGVPGLVGVA	541
Db	507	VGVAPGVGVGAPGTPGCGVAAAKSAAKVAAKAQLRAAAGLGGAGIPGLGVGVGVPGLVGVA	566
Qy	541	GVPGGLGVGACVPFGAGADEGVRSISPELRGDPSSSOHLDPSTPSSPRVPGALAAKAA	600
Db	567	GVPGGLGVGACVPFGAGADEGVRRSLSPELRGDPSSSOHLDPSTPSSPRVPGALAAKAA	626
Qy	601	KYGAAPVPGVLGGLGALGGVGPFGVGGAGPAAAAAAXAAKAAQFGLVGAAGLGGLVG	660
Db	627	KYGAAPVPGVLGGLGALGGVGPFGVGGAGPAAAAAAXAAKAAQFGLVGAAGLGGLVG	686
Qy	661	GLGVPGVGGGLGTPPAAAKAAKAYCAAGLGGVGGAGQFPLGGVAAARPGFGLSPIPPGGA	720
Db	687	GLGVPGVGGGLGTPPAAAKAAKAYCAAGLGGVGGAGQFPLGGVAAARPGFGLSPIPPGGA	746
Qy	721	CLGKACGRKRK 731	
Db	747	CLGKACGRKRK 757	
RESULT 8			
US-09-463-091-3			
; Sequence 3, Application US/09463091			
; GENERAL INFORMATION:			
; APPLICANT: WEISS, ANTHONY S			
; UNIVERSITY, SYDNEY			
; TITLE OF INVENTION: TROPOLASTIN DERIVATIVES			
; NUMBER OF SEQUENCES: 15			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: GRIFFITH HACK			
; STREET: 168 WALKER STREET			
; CITY: NORTH SYDNEY			
; STATE: NEW SOUTH WALES			
; COUNTRY: AUSTRALIA			
; ZIP: 2060			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: Patentin Release #1.0, Version #1.30			
; CURRENT APPLICATION DATA:			
; FILING DATE: 31-Mar-2000			
; APPLICATION NUMBER: US/09/463,091			
; CLASSIFICATION: <Unknown>			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER: AU P08117			
; FILING DATE: 18-JUL-1997			
; ATTORNEY/AGENT INFORMATION:			
; NAME: GUMLEY, THOMAS P			
; REFERENCE/DOCKET NUMBER: 048282K			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: 61 2 9957 5944			
; TELEFAX: 61 2 9957 6288			
; TELEX: 26947			
; INFORMATION FOR SEQ ID NO: 3:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 698 amino acids			
; TYPE: amino acid			
; STRANDEDNESS: <Unknown>			
; TOPOLOGY: linear			
; MOLECULE TYPE: protein			
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:			
US-09-463-091-3			

QY	61	PPGALVPGGVADAAAAYKAAKAGACGGVPCVCGGLGVSAGAVVPPGAGVKGPKGVPVGGL	120
Db	61	PPGALVPGGVADAAAAYKAAKAGACGGVPCVCGGLGVSAGAVVPPGAGVKGPKGVPVGGL	120
QY	121	GVVPGGVLPGARFGVGLPVGPTGAGVKKPAGVGGAFACIGVGPFGGQDPGPVPLGY	180
Db	121	GVVPGGVLPGARFGVGLPVGPTGAGVKKPAGVGGAFACIGVGPFGGQDPGPVPLGY	180
QY	181	PIKAPKLPGGYGLPYTTGKLPTGYGPGSVAGAAGKAGYPTGTGVPQAAAAAAAKAAAF	240
Db	181	PIKAPKLPGGYGLPYTTGKLPTGYGPGSVAGAAGKAGYPTGTGVPQAAAAAAAKAAAF	240
QY	241	GAGAGVLPVCGGAGVPGVPGALPICIIGIACVGTAAAAAAAKAAKATGAAGLVPGG	300
Db	241	GAGAGVLPVCGGAGVPGVPGALPICIIGIACVGTAAAAAAAKAAKATGAAGLVPGG	300
QY	301	PGFPGVYVPGGAGVPGVPGAGIPVVPVPGAGIFGAAVPGVTSPEAAAKAAKAAKYGAR	360
Db	301	PGFPGVYVPGGAGVPGVPGAGIPVVPVPGAGIFGAAVPGVTSPEAAAKAAKAAKYGAR	360
QY	361	PGVGGVGIPIVYVGGAGFPFGVGGVGGIPGVAGVPGVGGVPGVGVPGVIGSPGAAAAA	420
Db	361	PGVGGVGIPIVYVGGAGFPFGVGGVGGIPGVAGVPGVGGVPGVGVPGVIGSPGAAAAA	420
QY	421	AKAAKYGVGTAAAAAAKAAKAAQFGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPG	480
Db	421	AKAAKYGVGTAAAAAAKAAKAAQFGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPG	480
QY	481	GVVAPGVGVAPATPGGVVAAAAKSAKVAKAAQIRAAAGLGAGIGPCLGVGVPGVGLGVGA	540
Db	481	GVVAPGVGVAPGIPGGVAAAAKSAKVAKAAQIRAAAGLGAGIGPCLGVGVPGVGLGVGA	540
QY	541	GVPLGLGVGAGVPGVPGAGADEGVKRRSLSPELREGDPSSSQHLPSPTSSPRVPGALAAKAA	600
Db	541	GVPLGLGVGAGVPGFGR-----VPGALAAKAA	567
QY	601	KYGAAPGVVLGGIHALGGVIGIPGGVTVGAGPAAAAAKAAKAAQFGLVGAAGLGLGVG	660
Db	568	KYGAAPGVVLGGIHALGGVIGIPGGVTVGAGPAAAAAKAAKAAQFGLVGAAGLGLGVG	627
QY	661	GLGVPGVGGGGIPPPAAAAKAAKYGAAGLGVGLGGAQPPPLGVGAARPGFGLSIFPPGGA	720
Db	628	GLGVPGVGGGGIPPPAAAAKAAKYGAAGLGVGLGGAQPPPLGVGAARPGFGLSIFPPGGA	
QY	721	CLGKACGRKKR 731	
Db	688	CLGKACGRKKR 698	

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RESULT 9
US-09-743-818-5
; Sequence 5, Application US/09743818
; GENERAL INFORMATION:
; APPLICANT: The University of Sydney
; TITLE OF INVENTION: Protease Susceptibility
; FILE REFERENCE: Weiss Protease
; CURRENT APPLICATION NUMBER: US/09/743,818
; CURRENT FILING DATE: 2001-01-15
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 698
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-818-5

```

```

RESULT 10
US-09-961-403-8
; Sequence 8, Application US/09961403
; GENERAL INFORMATION:
; APPLICANT: HE-STUMPP, HOLGER
; APPLICANT: HAENDLER, BERNARD
; APPLICANT: KRAETZSCHMAR, JOERN
; APPLICANT: KREFT, BERTHOLT
; APPLICANT: WINTERHAGER, ELKE
; APPLICANT: REGIDOR, PEDRO
; APPLICANT: SCOTTI, SIMONE
; TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS
; FILE REFERENCE: SCH-1789
; CURRENT APPLICATION NUMBER: US/09/961.403
; CURRENT FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 730
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-961-403-8

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```
Query Match          94.2%; Score 3565.5; DB 25; Length 730;
Best Local Similarity 94.4%; Pred. No. 2e-222;
Matches 696; Conservative 0; Mismatches 2; Indels 39; Gaps 2;

QY 1 GGVPAIPGGVPGGVYFPGAGLGGALGGKPLKPVPGGLAGAGLGGAGPAPVAT 60
   |||
Db 27 GGVPAIPGGVPGGVYFPGAGLGGALGGKPLKPVPGGLAGAGLGGAGPAPVAT 86

QY 61 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGSAGAVVPPQAGVYKPKVPGVGL 120
   |||
Db 87 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGSAGAVVPPQAGVYKPKVPGVGL 146

QY 121 PGVYPGGVLPGARFFPGVGLPGVPTGAGYKPKAPGVGGAFAGIPGVGPGPOGPVPLGY 180
   |||
Db 147 PGVYPGGVLPGARFFPGVGLPGVPTGAGYKPKAPGVGGAFAGIPGVGPGPOGPVPLGY 206

QY 181 PIKAPLPGGYGLPYTTCKLPYGYGPGVAGAGKAGYPTGTGTGVPQAAAAAATAKAAAF 240
   |||
Db 207 PIKAPLPGGYGLPYTTCKLPYGYGPGVAGAGKAGYPTGTGTGVPQAAAAAATAKAAAF 266

QY 241 GAGAAGVLPVGGAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 300
   |||
Db 267 GAGAAGVLPVGGAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 326

QY 301 PGFPGVGVPGVAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 360
   |||
Db 327 PGFPGVGVPGVAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 386

QY 361 PGVGVGDIPTYGVAGGPPGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 420
   |||
Db 387 PGVGVGDIPTYGVAGGPPGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 446

QY 421 AKAAKYGVTGTPAAAAAATAKAAAF-----GLVPGVGVPGVPGVPGVPGVPGV 474
   |||
Db 447 AKAAKYGVTGTPAAAAAATAKAAAF-----GLVPGVGVPGVPGVPGVPGVPGV 506

QY 475 VGVAPGVGVPGVGVPAIPGPGVAAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 534
   |||
Db 507 VGVAPGVGVPGVGVPAIPGPGVAAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 566

QY 535 GLGVGAGVPLGVGAGVPGFAGADEGVRRSLSPELREGDPSSSHLPSTPSPRVP 594
   |||
Db 567 GLGVGAGVPLGVGAGVPGFAGADEGVRRSLSPELREGDPSSSHLPSTPSPRVP 593

QY 595 AAATAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 654
   |||
Db 594 AAATAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 653

QY 655 GGLGVGGLGVPGVGGVGGIPPAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 714
   |||
Db 654 GGLGVGGLGVPGVGGVGGIPPAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 713
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```
RESULT 11
US-09-554-996-3
; Sequence 3, Application US/09554996
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Keating, Mark T.
; APPLICANT: Li, Dean Y.
; TITLE OF INVENTION: ELASTIN-BASED COMPOSITIONS
; FILE REFERENCE: 22458-702
; CURRENT APPLICATION NUMBER: US/09/554, 996
; CURRENT FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: PCT/US00/02526
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: US 09/258,217
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 8
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-554-996-3

Query Match          91.4%; Score 3458.5; DB 19; Length 712;
Best Local Similarity 92.1%; Pred. No. 1.7e-215;
Matches 679; Conservative 0; Mismatches 1; Indels 57; Gaps 3;

QY 1 GGVPAIPGGVPGGVYFPGAGLGGALGGKPLKPVPGGLAGAGLGGAGPAPVAT 60
   |||
Db 27 GGVPAIPGGVPGGVYFPGAGLGGALGGKPLKPVPGGLAGAGLGGAGPAPVAT 86

QY 61 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGSAGAVVPPQAGVYKPKVPGVGL 120
   |||
Db 87 FPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGSAGAVVPPQAGVYKPKVPGVGL 146

QY 121 PGVYPGGVLPGARFFPGVGLPGVPTGAGYKPKAPGVGGAFAGIPGVGPGPOGPVPLGY 180
   |||
Db 147 PGVYPGGVLPGARFFPGVGLPGVPTGAGYKPKAPGVGGAFAGIPGVGPGPOGPVPLGY 206

QY 181 PIKAPLPGGYGLPYTTCKLPYGYGPGVAGAGKAGYPTGTGTGVPQAAAAAATAKAAAF 240
   |||
Db 207 PIKAPLPGGYGLPYTTCKLPYGYGPGVAGAGKAGYPTGTGTGVPQAAAAAATAKAAAF 266

QY 241 GAGAAGVLPVGGAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 300
   |||
Db 267 GAGAAGVLPVGGAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 326

QY 301 PGFPGVGVPGVAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 360
   |||
Db 327 PGFPGVGVPGVAGVPGVPGAGIPVPGAGIPGAAPVGVVSPAAAAAATAKAAAF 386

QY 361 PGVGVGDIPTYGVAGGPPGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 420
   |||
Db 387 PGVGVGDIPTYGVAGGPPGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 446

QY 421 AKAAKYGVTGTPAAAAAATAKAAAF-----GLVPGVGVPGVPGVPGVPGVPGV 474
   |||
Db 447 AKAAKYGVTGTPAAAAAATAKAAAF-----GLVPGVGVPGVPGVPGVPGVPGV 506

QY 475 VGVAPGVGVPGVGVPAIPGPGVAAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 534
   |||
Db 507 VGVAPGVGVPGVGVPAIPGPGVAAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 566

QY 535 GLGVGAGVPLGVGAGVPGFAGADEGVRRSLSPELREGDPSSSHLPSTPSPRVP 594
   |||
Db 567 GLGVGAGVPLGVGAGVPGFAGADEGVRRSLSPELREGDPSSSHLPSTPSPRVP 593

QY 595 AAATAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 654
   |||
Db 594 AAATAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 653

QY 655 GGLGVGGLGVPGVGGVGGIPPAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 714
   |||
Db 654 GGLGVGGLGVPGVGGVGGIPPAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 713

RESULT 12
US-09-554-996-8
; Sequence 8, Application US/09554996
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Keating, Mark T.
; APPLICANT: Li, Dean Y.
; TITLE OF INVENTION: ELASTIN-BASED COMPOSITIONS
; FILE REFERENCE: 22458-702
; CURRENT APPLICATION NUMBER: US/09/554, 996
; CURRENT FILING DATE: 2000-05-24
; PRIOR APPLICATION NUMBER: PCT/US00/02526
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: US 09/258,217
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 8
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Db 633 GVPGLGVGAGVPGEXA-----VPGALAAKAA 659  
QY 601 KYGAAPVGLGGLGALGVGIPGVGAGPAAAKAAKAAQFGLVGAAGLGLGVG 660  
Db 660 KYGAAPVGLGGLGALGVGIPGVGAGPAAAKAAKAAQFGLVGAAGLGLGVG 719  
QY 661 GLGVPGVGGIGLGPAAAKAAKYGAAGLGVGGAGQFPLGGVYARPGLSPIPPGGA 720  
Db 720 GLGVPGVGGIGLGPAAAKAAKY-----GVAARPGLSPIPPGGA 761  
QY 721 CLGKACGRKK 731  
Db 762 CLGKACGRKK 772

## RESULT 14

US-10-223-026-217  
; Sequence 217, Application US/10223026  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC018CLN  
; CURRENT APPLICATION NUMBER: US/10/223,026  
; CURRENT FILING DATE: 2002-08-19  
; PRIOR APPLICATION NUMBER: 09/760,494  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/214,886  
; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/217,487  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,758  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/220,963  
; PRIOR FILING DATE: 2000-07-26  
; PRIOR APPLICATION NUMBER: 60/217,496  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,447  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/218,290  
; PRIOR FILING DATE: 2000-07-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 258  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 217  
; LENGTH: 772  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (25)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (192)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (488)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (647)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-223-026-217

## Query Match

91.2%; Score 3450.5; DB 28; Length 772;

Best Local Similarity 92.5%; Fred. No. 6e-215;

Matches 676; Conservative 0; Mismatches 4; Indels 51; Gaps 2;

QY 1 GGVPGALPGVPGGVYFPCAGLGAAGGALGPGCKPLKPVFGGLAGLGAAGLGAAPPV 60  
Db 93 GGVPGALPGVPGGVYFPCAGLGAAGGALGPGCKPLKPVFGGLAGLGAAGLGAAPPV 152  
QY 61 FPCALVPGGVADAAAAYKAAKAGAGLGGVPGVGGGLGVGAGAVPQPCAGVKPGKVPGL 120  
Db 153 FPCALVPGGVADAAAAYKAAKAGAGLGGVPGVGGGLGVGAGAVPQPCAGVKPGKVPGL 212  
QY 121 PGVPGGVLPGARFPFGVGLPGVPTGAGVKAPGVGGAFAGIFGVGPGPGVPLGY 180  
Db 213 PGVPGGVLPGARFPFGVGLPGVPTGAGVKAPGVGGAFAGIFGVGPGPGVPLGY 272  
QY 181 PIKAPKLGXYGLPYTTCKLIPYGVGPGCVAGAGKAGYPTGTGVPQAAAAKAAKAAKF 240  
Db 273 PIKAPKLGXYGLPYTTCKLIPYGVGPGCVAGAGKAGYPTGTGVPQAAAAKAAKAAKF 332  
QY 241 GAGAAGVLEFGVGGAGVPGVPGALPGIGGIAGVGTFAAAAAKAAKAAAGLVPGG 300  
Db 333 GAGAAGVLEFGVGGAGVPGVPGALPGIGGIAGVGTFAAAAAKAAKAAAGLVPGG 392  
QY 301 PGFGPGVGVPGAGVPGVPGAGIPVPGAGIPGAAPGVVSPAAAAKAAKAAKYGAR 360  
Db 393 PGFGPGVGVPGAGVPGVPGAGIPVPGAGIPGAAPGVVSPAAAAKAAKAAKYGAR 452  
QY 361 PGVGVGGIPTYGVGAGPFGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 420  
Db 453 PGVGVGGIPTYGVGAGPFGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 512  
QY 421 AKAAKYGVGTAAAAKAAKAAQFGLVPGVGVGAVPGVGVGAVPGVGVGAVPGV 480  
Db 513 AKAAKYGVGTAAAAKAAKAAQFGLVPGVGVGAVPGVGVGAVPGVGVGAVPGV 572  
QY 481 VGVAPGVGVAPALPGVGAAGAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 540  
Db 573 VGVAPGVGVAPALPGVGAAGAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 632  
QY 541 GVPGLGVGAGVPGAGAGADEGVRRSLSPELREGDPSSSOHLFPSTPSPRPVPGALAAKAA 600  
Db 633 GVPGLGVGAGVPGFXA-----VPGALAAKAA 659  
QY 601 KYGAAPVGLGGLGALGVGIPGVGAGPAAAKAAKAAKAAQFGLVGAAGLGLGVG 660  
Db 660 KYGAAPVGLGGLGALGVGIPGVGAGPAAAKAAKAAKAAQFGLVGAAGLGLGVG 719  
QY 661 GLGVPGVGGIGLGPAAAKAAKYGAAGLGVGGAGQFPLGGVYARPGLSPIPPGGA 720  
Db 720 GLGVPGVGGIGLGPAAAKAAKY-----GVAARPGLSPIPPGGA 761  
QY 721 CLGKACGRKK 731  
Db 762 CLGKACGRKK 772

## RESULT 15

US-10-210-172-38

; Sequence 38, Application US/10210172

; GENERAL INFORMATION:

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Miller, Charles

; APPLICANT: Patturajan, Meera

; APPLICANT: Pena, Carol

; APPLICANT: Rieger, Daniel

; APPLICANT: Shinkets, Richard

; APPLICANT: Zerhusen, Bryan

; APPLICANT: Li, Li

; APPLICANT: Ji, Weizhen

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Casman, Stacie

; APPLICANT: Voss, Edward

; APPLICANT: Boldog, Ferenc

; APPLICANT: Gorman, Linda

; APPLICANT: Leite, Mario

; APPLICANT: Vernet, Corine

APPLICANT: Anderson, David  
APPLICANT: Guo, Xiaojia  
APPLICANT: Zhong, Mei  
APPLICANT: Gerlach, Valerie  
APPLICANT: Ehalt, Tord  
APPLICANT: Rastelli, Luca  
APPLICANT: Spytek, Kimberly  
APPLICANT: Edinger, Shlomit  
APPLICANT: Ellerman, Karen  
APPLICANT: Malvankar, Uriel  
APPLICANT: MacDougall, John  
APPLICANT: Stone, David  
APPLICANT: Alsobrook II, John  
APPLICANT: Lepley, Denise et al.  
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
FILE REFERENCE: 21402-416 A  
CURRENT APPLICATION NUMBER: US/10/210,172  
CURRENT FILING DATE: 2001-08-01  
PRIOR APPLICATION NUMBER: 60/309,501  
PRIOR FILING DATE: 2001-08-02  
PRIOR APPLICATION NUMBER: 60/323,994  
PRIOR FILING DATE: 2001-09-21  
PRIOR APPLICATION NUMBER: 60/373,814  
PRIOR FILING DATE: 2002-04-19  
PRIOR APPLICATION NUMBER: 60/310,291  
PRIOR FILING DATE: 2001-08-03  
PRIOR APPLICATION NUMBER: 60/310,951  
PRIOR FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: 60/310,544  
PRIOR FILING DATE: 2001-08-07  
PRIOR APPLICATION NUMBER: 60/311,292  
PRIOR FILING DATE: 2001-08-09  
PRIOR APPLICATION NUMBER: 60/311,979  
PRIOR FILING DATE: 2001-08-13  
PRIOR APPLICATION NUMBER: 60/313,201  
PRIOR FILING DATE: 2001-08-17  
PRIOR APPLICATION NUMBER: 60/312,892  
PRIOR FILING DATE: 2001-08-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 327  
SOFTWARE: CurasSeqdist version 0.1  
SEQ ID NO 38  
LENGTH: 711  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-210-172-38

Query Match 91.1%; Score 3450; DB 28; Length 711;  
Best Local Similarity 92.0%; Pred. No. 5.9e-215;  
Matches 677; Conservative 1; Mismatches 2; Indels 56; Gaps 3;

QY 1 GGVPGAIPGGVPGVYFAGLGGALGGKPLKPVGGLAGAGLGAAGLCAFPAYT 60  
Db |  
QY 27 GGVPGAIPGGVPGVYFAGLGGALGGKPLKPVGGLAGAGLGAAGLCAFPAYT 86  
Db |  
QY 61 PPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGGVSA-----GATVPOPGAGVKPGKV 115  
Db |  
QY 87 PPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGGVSAAPSPVPGAVVPOPGAGVKPGKV 146  
QY 116 PGVGLPGVYFPGVLPGARFPGVLPVPGVPGAGVPGKAPGAGVAGVPGVPGGPOPG 175  
Db |  
QY 147 PGVGLPGVYFPGVLPGARFPGVLPVPGVPGAGVPGKAPGAGVAGVPGVPGGPOPG 206  
QY 176 VPLGYPTKAPLPGGYGLPYTTGKLPYGYGPGVAGAGKAGYPTGTGVGFQAAAAAAK 235  
Db |  
QY 207 VPLGYPTKAPLPGGYGLPYTTGKLPYGYGPGVAGAGKAGYPTGTGVGFQAAAAAAK 266  
QY 236 AAATFGAGAGVLPVGGAGVPGVPGAIPGIGIAGVGTAAAAAAKAAKAYCAAG 295  
Db |  
QY 267 AAATFGAGAGVLPVGGAGVPGVPGAIPGIGIAGVGTAAAAAAKAAKAYCAAG 326  
QY 296 LVPGGPGFPGVYVPGAGVPGVPGAGIPVVPVPGAGIPGAAPGVVSPAAAAKAAKAA 355  
Db |

Db 327 LVPGGPGFPGVYVPGAGVPGVPGAGIPVVPVPGAGIPGAAPGVVSPAAAAKAAKAA 386  
QY 356 KYGARPGVYVGGIPTYGVGAGGFPQFPGVYGGIPGVAGVPGVYGGVPGVYGISPEA 415  
Db |  
QY 387 KYGARPGVYVGGIPTYGVGAGGFPQFPGVYGGIPGVAGVPGVYGGVPGVYGISPEA 446  
QY 416 QAAAAAAKAYGVGTAAAAAAKAAKAAQFGLPGVYGVAGVPGVYGVAGVGLAPGV 475  
Db |  
QY 447 QAAAAAAKAYGVGTAAAAAAKAAKAAQFGLPGVYGVAGVPGVYGVAGVGLAPGV 506  
QY 476 GVAPGVVAPGVGAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPV 535  
Db |  
QY 507 GVAPGVVAPGVGAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPVAPV 566  
QY 536 LGVAGVPGVPGVAGVPGVPGAGADGVRSLSPELREGDPSSSQHLPTSPSPRVPGALA 595  
Db |  
QY 567 LGVAGVPGVPGVAGVPGVPGAGADGVRSLSPELREGDPSSSQHLPTSPSPRVPGALA 593  
QY 596 AAKAAKYGAAPVPGVGLGALGVGIPGVVGVAGPAAAAAAKAAKAAQFGLVGAAGLG 655  
Db |  
QY 594 AAKAAKYGAAPVPGVGLGALGVGIPGVVGVAGPAAAAAAKAAKAAQFGLVGAAGLG 653  
QY 656 GLGVGGLGVPGVGGGLGIPVAAAANKAAKYGAAGLGGVGLGGAGQFPLGVAAAPPGFGLSPI 715  
Db |  
QY 654 GLGVGGLGVPGVGGGLGIPVAAAANKAAKY-----GVAARPFGFGLSPI 695  
QY 715 FPGGACLGKACGRKK 731  
Db |  
QY 696 FPGGACLGKACGRKK 711

Search completed: October 10, 2003, 18:59:54  
Job time : 538.46 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 10, 2003, 18:41:13 ; Search time 17.6725 Seconds  
(without alignments)  
1227.665 Million cell updates/sec

Title: US-09-964-662-1  
Perfect score: 3785  
Sequence: 1 GGVFGAIPGGVPGGVYPGA.....LSPIPGGACLGKAGKRK 731

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 143239 seqs, 29679805 residues

Total number of hits satisfying chosen parameters: 143239

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/2/paa/PCT\_NEW\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep.\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3781	99.9	757	7	US-60-487-610-1796
2	3450	91.1	711	1	PCT-US02-24483-38
3	3439.5	90.9	702	7	US-60-487-610-1797
4	3329.5	88.0	692	1	PCT-US02-24483-40
5	975.5	25.8	1250	5	US-09-807-742A-1
6	610.5	16.1	1669	6	US-10-372-683-8
7	601.5	15.9	1288	7	US-60-487-610-2047
8	601.5	15.9	1283	7	US-60-487-610-2045
9	601.5	15.9	1685	7	US-60-487-610-2046
10	600.5	15.9	8973	1	PCT-US03-26780-3117
11	587	15.5	1284	7	US-60-487-610-2407
12	587	15.5	1284	7	US-60-485-450-1521
13	587	15.5	1484	1	PCT-US02-18638A-36
14	587	15.5	1464	7	US-60-487-610-2409
15	587	15.5	1464	7	US-60-485-450-1523
16	578.5	15.3	1164	7	US-60-487-610-2411
17	578.5	15.3	1164	7	US-60-485-450-1525
18	578	15.3	1417	1	PCT-US03-28227-3809
19	578	15.3	1418	7	US-60-487-610-2335
20	578	15.3	1487	5	US-09-976-858-124
21	578	15.3	1488	7	US-60-487-610-2334
22	570.5	15.1	1366	7	US-60-487-610-1578
23	570.5	15.1	1366	7	US-60-485-450-1502
24	570.5	15.1	1665	1	PCT-US03-28227-4719
25	570.5	15.1	1669	7	US-60-487-610-1686
26	561.5	14.8	1366	1	PCT-US02-18638A-38

## ALIGNMENTS

## RESULT 1

US-60-487-610-1796  
; Sequence 1796, Application US/60487610  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele  
; APPLICANT: HUANG, Honglin  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,  
; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CLO01469  
; CURRENT APPLICATION NUMBER: US/60/487,610  
; CURRENT FILING DATE: 2003-07-17  
; NUMBER OF SEQ ID NOS: 97101  
; SOFTWARE: PastSeq for Windows Version 4.0  
; SEQ ID NO 1796  
; LENGTH: 757  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-60-487-610-1796

Query Match Similarity 99.9%; Score 3781; DB 7; Length 757;  
Best Local Similarity 99.9%; Fred. No. 8.7e-56;  
Matches 730; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	GGVFGAIPGGVPGGVYPGA	LGAGLGAGLGGGKPLKVPVPGGLAGAGLGA	GGAGLGA	PPAYT	60
Db	27	GGVFGAIPGGVPGGVYPGA	LGAGLGAGLGGGKPLKVPVPGGLAGAGLGA	GGAGLGA	PPAYT	86
Qy	61	PPGALVPGGVADAAAYKAAKAGAGLGGV	GGGLGVSAGAVVPOPAGVKKVPVGVGL			120
Db	87	PPGALVPGGVADAAAYKAAKAGAGLGGV	GGGLGVSAGAVVPOPAGVKKVPVGVGL			146
Qy	121	PGVTPGGVLPGARFP	GGVLPVGTGAGVKKAPGVGGAFAGIPGV	GGPFGP	PGVPLGY	180
Db	147	PGVTPGGVLPGARFP	GGVLPVGTGAGVKKAPGVGGAFAGIPGV	GGPFGP	PGVPLGY	206
Qy	181	PIKAPKLPGGYGLPYTTK	KLPGYGGVAGAAKAGYPTGTG	VGVPQAAAAA	AKAAKAF	240
Db	207	PIKAPKLPGGYGLPYTTK	KLPGYGGVAGAAKAGYPTGTG	VGVPQAAAAA	AKAAKAF	266
Qy	241	GAGAGVLPVGGAGVPGV	PGVPGAIPIGIGIAGVCTPAAAAA	AAAAA	AKAAKAGLVP	300
Db	267	GAGAGVLPVGGAGVPGV	PGVPGAIPIGIGIAGVCTPAAAAA	AAAAA	AKAAKAGLVP	326
Qy	301	PGFGVGVVPGAGVPGV	PGVPGAGIPVVPAGIPGA	AVPGVSP	AAAAKAAKYGAR	360
Db	327	PGFGVGVVPGAGVPGV	PGVPGAGIPVVPAGIPGA	AVPGVSP	AAAAKAAKYGAR	386
Qy	361	PGVGVGGIPYVGAGG	PGFGVPGVGGVGGIPGV	AGVPGVGGV	PGVGLISPEA	420



Db 387 PGVGGIPTYGVAGGFGFVGVGIGIPGVAGFVGVGVPVGGVPGVGIPEEQA AAA 446  
QY 421 AKAAYGVGTPTAAAAA AKA AKA AQAQFGLVFGVGVAGFVAPGVAGVAPGVGLAPGVGVAPG 480  
Db 447 AKAAYGVGTPTAAAAA AKA AKA AQAQFGLVFGVGVAGFVAPGVAGVAPGVGLAPGVGVAPG 506  
QY 481 VGVAPGVGVAIPAIGPGVVAARA AKA AKA AQAQFGLVFGVGVAGFVAPGVAGVAPGVGLAPGV 540  
Db 507 VGVAPGVGVAIPAIGPGVVAARA AKA AKA AQAQFGLVFGVGVAGFVAPGVAGVAPGVGLAPGV 566  
QY 541 GVPLGVGVAGFVGAGADEGVRRSLSPELRECDPSSSOHLPSPPSPRPVPGALAA AKA 600  
Db 567 GVPLGVGVAGFVGAGADEGVRRSLSPELRECDPSSSOHLPSPPSPRPVPGALAA AKA 626  
QY 601 KYGAAYPGVGLGALGVGIPGVGVAGFVAPGAAAA AKA AKA AQAQFGLVFGVAGFGLGVG 660  
Db 627 KYGAAYPGVGLGALGVGIPGVGVAGFVAPGAAAA AKA AKA AQAQFGLVFGVAGFGLGVG 686  
QY 661 GLGVPGVGLGIPPA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 720  
Db 687 GLGVPGVGLGIPPA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 746  
QY 721 CLGKACGRKK 731  
Db 747 CLGKACGRKK 757

RESULT 2  
PCT-US02-24483-38  
; Sequence 38, Application PC/TUS0224483  
; GENERAL INFORMATION:  
; APPLICANT: Curagen Corp. et al.  
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
; FILE REFERENCE: 21402-416A-061  
; CURRENT APPLICATION NUMBER: PCT/US02/24483  
; CURRENT FILING DATE: 2002-08-02  
; PRIOR APPLICATION NUMBER: 60/309,501  
; PRIOR FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: 60/323,994  
; PRIOR FILING DATE: 2001-09-21  
; PRIOR APPLICATION NUMBER: 60/373,814  
; PRIOR FILING DATE: 2002-04-19  
; PRIOR APPLICATION NUMBER: 60/310,291  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: 60/310,951  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/310,544  
; PRIOR FILING DATE: 2001-08-07  
; PRIOR APPLICATION NUMBER: 60/311,292  
; PRIOR FILING DATE: 2001-08-09  
; PRIOR APPLICATION NUMBER: 60/311,979  
; PRIOR FILING DATE: 2001-08-13  
; PRIOR APPLICATION NUMBER: 60/313,201  
; PRIOR FILING DATE: 2001-08-17  
; PRIOR APPLICATION NUMBER: 60/312,892  
; PRIOR FILING DATE: 2001-08-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 327  
; SOFTWARE: CuraSeqList version 0.1  
; SEQ ID NO 38  
; LENGTH: 711  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US02-24483-38

Query Match 91.1%; Score 3450; DB 1; Length 711;  
Best Local Similarity 92.0%; Pred. No. 1.8e-50;  
Matches 677; Conservative 1; Mismatches 2; Indels 56; Gaps 3;  
QY 1 GGVPGATPGVPGVGVYFAGLGGALGGKPLKPVGGLAGAGLGGAGLGGAPPAVT 60  
Db 27 GGVPGALPGVPGVGVYFAGLGGALGGKPLKPVGGLAGAGLGGAGLGGAPPAVT 86

QY 61 FPGALVPGGVADAAAAA YKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 115  
Db 87 FPGALVPGGVADAAAAA YKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 146  
QY 116 PGVGLPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 175  
Db 147 PGVGLPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 206  
QY 176 VFLGYPIKAPLPGGYGLPTTCKLPYGVPGGVAGAGKAGYPTCTGTGVPQAAAAA AKA 235  
Db 207 VFLGYPIKAPLPGGYGLPTTCKLPYGVPGGVAGAGKAGYPTCTGTGVPQAAAAA AKA 266  
QY 236 AAKTGAAGAAGVPGVGGAGVPGCAIPGTGGTAGVTPAAAA AKA AKA AKA AKA AKA AKA AKA 295  
Db 267 AAKTGAAGAAGVPGVGGAGVPGCAIPGTGGTAGVTPAAAA AKA AKA AKA AKA AKA AKA AKA 326  
QY 296 LVPGGFGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 355  
Db 327 LVPGGFGPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 386  
QY 356 KYGARPGVGVGSIPTYGVGAGFPGFVGIGIPGVAGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 415  
Db 387 KYGARPGVGVGSIPTYGVGAGFPGFVGIGIPGVAGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 446  
QY 416 QAAAAA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 475  
Db 447 QAAAAA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 506  
QY 476 GVAPGVGVAIPGVAPGAIPGPGVVAARA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 535  
Db 507 GVAPGVGVAIPGVAPGAIPGPGVVAARA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 566  
QY 536 LGVAGVPLGVGAGVPGFAGAGADEGVRRSLSPELRECDPSSSOHLPSPPSPRPVPGALA 595  
Db 567 LGVAGVPLGVGAGVPGFAGAGADEGVRRSLSPELRECDPSSSOHLPSPPSPRPVPGALA 593  
QY 596 AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 655  
Db 594 AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 653  
QY 656 GLGVGGLGVPGVGLGIPPA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 715  
Db 654 GLGVGGLGVPGVGLGIPPA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA AKA 695  
QY 716 FPGGACLGKACGRKK 731  
Db 696 FPGGACLGKACGRKK 711

RESULT 3  
US-60-487-610-1797  
; Sequence 1797, Application US/60487610  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele  
; APPLICANT: HUANG, Hongjin  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,  
; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001469  
; CURRENT APPLICATION NUMBER: US/60/487,610  
; CURRENT FILING DATE: 2003-07-17  
; NUMBER OF SEQ ID NOS: 97101  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1797  
; LENGTH: 702  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-60-487-610-1797

Query Match 90.9%; Score 3439.5; DB 7; Length 702;  
Best Local Similarity 92.3%; Pred. No. 2.6e-50;  
Matches 675; Conservative 0; Mismatches 1; Indels 55; Gaps 3;

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QY 1 GGVPCALPGVPGGVYFPGAGLGGALGGGALGPGGKPLKVPVPGLAGAGLGGAGPAAVT 60
Db 27 GGVPGALPGVPGGVYFPGAGLGGALGGGALGPGGKPLKVPVPGLAGAGLGGAGPAAVT 74
QY 61 FPGALPGGVADAAAYKAAKAGAGLGGVPGVGLVAGAVVPPQAGVKGKVPVGL 120
Db 75 FPGALPGGVADAAAYKAAKAGAGLGGVPGVGLVAGAVVPPQAGVKGKVPVGL 134
QY 121 PGVYPGVGLFGARFPGVGLPGVTPGAGVPGKAPGAGVGGAGFAGIPGVPGFPQPGVPLGY 180
Db 135 PGVYPGVGLFGARFPGVGLPGVTPGAGVPGKAPGAGVGGAGFAGIPGVPGFPQPGVPLGY 184
QY 191 PIKAPKLPGGYGLPYTTGKLPYGGVAGAAKAGAGTGTGTGVPQAAAAKAAKAF 240
Db 185 PIKAPKLPGGYGLPYTTGKLPYGGVAGAAKAGAGTGTGTGVPQAAAAKAAKAF 244
QY 241 GAGAAGVLPVGGAGVPGVPAIPGIGIAGVGTAAAAAAKAAKAAKAAKAAKAAK 300
Db 245 GAGAAGVLPVGGAGVPGVPAIPGIGIAGVGTAAAAAAKAAKAAKAAKAAKAAK 304
QY 301 PGFPGVYVPGAGVPGVPGAGIPVVPAGIPGAAGVGVVSPAAKAAKAAKAAK 360
Db 305 PGFPGVYVPGAGVPGVPGAGIPVVPAGIPGAAGVGVVSPAAKAAKAAKAAK 364
QY 361 PGVGVGGIPTYGVGAGGPGFPGVGGIPGVAGVPGVGGVPGVGGVPGVGGV 420
Db 365 PGVGVGGIPTYGVGAGGPGFPGVGGIPGVAGVPGVGGVPGVGGVPGVGGV 424
QY 421 AKAAYKGVTPAAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 480
Db 425 AKAAYKGVTPAAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 484
QY 481 VGVAPGVVAPALPGCGVAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 540
Db 485 VGVAPGVVAPALPGCGVAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 544
QY 541 GVPLGVGAGVPGFAGAGAGVRSLSPELRREGDPSSSHLPSPSPRPVPGALAAK 600
Db 545 GVPLGVGAGVPGFAGAGAGVRSLSPELRREGDPSSSHLPSPSPRPVPGALAAK 571
QY 601 KYGAAVPGVLGGALGGVPGVGGVAGPAAAAKAAKAAKAAKAAKAAKAAKAAK 660
Db 572 KYGAAVPGVLGGALGGVPGVGGVAGPAAAAKAAKAAKAAKAAKAAKAAKAAK 631
QY 661 GLVPGVGLGGIIPAAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 720
Db 632 GLVPGVGLGGIIPAAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 691
QY 721 CLKACGKRKK 731
Db 692 CLKACGKRKK 702
RESULT 4
PCT-US02-24483-40
; Sequence 40. Application PC/TUS0224483
; GENERAL INFORMATION:
; APPLICANT: Curagen Corp. et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-416A-061
; CURRENT APPLICATION NUMBER: PCT/US02/24483
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/309,501
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/323,994
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/373,814
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/310,291
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/310,951
; PRIOR FILING DATE: 2001-08-08
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; PRIOR APPLICATION NUMBER: 60/310,544
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: 60/311,292
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/311,979
; PRIOR FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/313,201
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/312,892
; PRIOR FILING DATE: 2001-08-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 40
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-24483-40
Query Match 88.0%; Score 3329.5; DB 1; Length 692;
Best Local Similarity 89.3%; Pred. No. 1.5e-48;
Matches 658; Conservative 0; Mismatches 2; Indels 77; Gaps 3;
QY 1 GGVPCALPGVPGGVYFPGAGLGGALGGGALGPGGKPLKVPVPGLAGAGLGGAGPAAVT 60
Db 27 GGVPGALPGVPGGVYFPGAGLGGALGGGALGPGGKPLKVPVPGLAGAGLGGAGPAAVT 86
QY 61 FPGALPGGVADAAAYKAAKAGAGLGGVPGVGLVAGAVVPPQAGVKGKVPVGL 120
Db 87 FPGALPGGVADAAAYKAAKAGAGLGGVPGVGLVAGAVVPPQAGVKGKVPVGL 141
QY 121 PGVYPGVLPGARFPGVGLPGVTPGAGVPGKAPGAGVGGAGFAGIPGVPGFPQPGVPLGY 180
Db 142 -----PGVGGAGFAGIPGVPGFPQPGVPLGY 168
QY 181 PIKAPKLPGGYGLPYTTGKLPYGGVAGAAKAGAGTGTGTGVPQAAAAKAAKAF 240
Db 169 PIKAPKLPGGYGLPYTTGKLPYGGVAGAAKAGAGTGTGTGVPQAAAAKAAKAF 228
QY 241 GAGAAGVLPVGGAGVPGVPAIPGIGIAGVGTAAAAAAKAAKAAKAAKAAK 300
Db 229 GAGAAGVLPVGGAGVPGVPAIPGIGIAGVGTAAAAAAKAAKAAKAAKAAK 288
QY 301 PGFPGVYVPGAGVPGVPGAGIPVVPAGIPGAAGVGVVSPAAKAAKAAK 360
Db 289 PGFPGVYVPGAGVPGVPGAGIPVVPAGIPGAAGVGVVSPAAKAAKAAK 348
QY 361 PGVGVGGIPTYGVGAGGPGFPGVGGIPGVAGVPGVGGVPGVGGVPGVGG 420
Db 349 PGVGVGGIPTYGVGAGGPGFPGVGGIPGVAGVPGVGGVPGVGGVPGVGG 408
QY 421 AKAAYKGVTPAAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 474
Db 409 AKAAYKGVTPAAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 468
QY 475 VGVAPGVVAPGVVAPALPGGVVAAKAAKAAKAAKAAKAAKAAKAAKAAK 534
Db 469 VGVAPGVVAPGVVAPALPGGVVAAKAAKAAKAAKAAKAAKAAKAAKAAK 528
QY 535 GLGVGAGVPLGVGAGVPGFAGAGAGVRRSLSPELRREGDPSSSHLPSPSPRPVPGAL 594
Db 529 GLGVGAGVPLGVGAGVPGFAGAGAGVRRSLSPELRREGDPSSSHLPSPSPRPVPGAL 555
QY 595 AAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 654
Db 556 AAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAK 615
QY 655 GGLGVGGLGVGAGVPGVPAIPGIGIAGVGTAAAAKAAKAAKAAKAAKAAK 714
Db 616 GGLGVGGLGVGAGVPGVPAIPGIGIAGVGTAAAAKAAKAAKAAKAAKAAK 675
QY 715 IFFPGACLGKACGKRKK 731
Db 715 IFFPGACLGKACGKRKK 731
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Db      928 DWLPGKPSMDKVDMSMKQKGDQGEKQIGIPGEKSGRDGP--TPGVPGKDG---Q 982
QY      351 AAKAAKYGAPGVGCGITPTVCAGACGPG-----FGVGVGIPVAGVPGVGVG 405
Db      983 AGOPGPGKPGDPIGSGTP---GAPGLPGKSGVGMGLPTGPEKGVGIPGPGQSGP 1038
QY      406 VPGVGISPEAQAATAAKAAKYGVGTAAAAAATAAKAAQFGLVPG-----VGVAPGV 458
Db      1039 LFG-----DKGAKGEGQAGPGIGIPGLRGEKQDQIAGFPSPGPEKGEKSGTGI-PCMP 1093
QY      459 VAPGVGAPG-VGLAPGVG-----APGVGVAPGV---GVAPATGPGVAA--AAK 503
Db      1094 GSPGLKSGVGVGIPGSPGLPEKGDGKGLDIPGVKGEAGLPTGPTGPGAGQKGP 1153
QY      504 SAAKVAKALRAAAGL-CAGIPGLGVG-----VGPVLGVGAGVPG-----LG 546
Db      1154 GSDIPGSAKEGEPGLPGRFPFPGAKDGKSGKEVGFPLAGSPIGPGKSGEQFMG 1213
QY      547 VGA-----GVPGFGAGADEGVRRLSPELREGDPSSQHLPTSTPSRVPG--ALAAAKA 599
Db      1214 PPGPQGGPGLPSPGSHATEGPKDGRGPGQGPGLPG---LPGPMGPPGLPIDGVKDGK 1269
QY      600 KYCAAVPVGLGALGAGVGPVGVGAGPAAAAAATAAKAAQFGLVGAAGLGL-G 658
Db      1270 NPGWPGAPGVPEPKDPPGQMPG--IGGSPGITGSKGDMGPPGVP-GFQPKGLPQLQ 1326
QY      659 V-----GGLVGPGVGGLLGIP-----PAAAKAAKYAAGLGGVLGGAGQFPLG 702
Db      1327 IKGDQDQGVGAKGLPSPGPPGYDIIKGEPLGPSPGGLKGLQGLPKPGKQGV 1386
QY      703 GVAARPGGLSPFPFG 718
Db      1387 GLVGIPG---PPGIPG 1399

RESULT 7
US-60-487-610-2047
; Sequence 2047, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; FILE REFERENCE: CL001469
; CURRENT APPLICATION NUMBER: US/60/487,610
; NUMBER OF SEQ ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2047
; LENGTH: 1268
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-487-610-2047

Query Match      15.9%; Score 601.5; DB 7; Length 1268;
Best Local Similarity 31.3%; Pred. No. 0.00013;
Matches 255; Conservative 43; Mismatches 295; Indels 222; Gaps 44;

QY      2 GVPGA--IPG--GVPGGVFPYD--AGLALGG-----GALGPGGKP-LKPVPGLAGAGLG 50
Db      564 GSPGAPGLPLPTGQDGLPLGPKGEPGGITFTKGERGPPGNPGLPLPGLPNTGPMG-- 621
QY      51 AGLGAFAVFPALPGVGVADAAAAYAAKAGAGLGGVPGVGLGVGAGVAVPPQAGV 110
Db      622 -----P-----PGFPGPGVGE-----KGIQGVAGNPGPGIPGPKGPDGGTITQPG--- 663
QY      111 KPGKVPG-----VGLPGVPGVPLPGARFPFGVGLVPGVTPGAGVKPKAPGVG----- 157
Db      664 KPG-LPKNPGCDGVGLPG-DPG--LPQ--PG---LPGIPSKG-EGIFGIGLPPPG 713
QY      158 -GAFAGIPG-----VGFPGGPGVPLGPIKAPKPLPGGYGLPPTTKL 200

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Db      714 PKGPPGIPGPPGAPGTPGRIGLEGPPGPPGPPGPKGPFALPGP--PGPPLGPFKGA 771
QY      201 PYGCPGVAGAGKACGPTGTGVPQAAAAAATAAKAAKAFGAGAGVLPVGGAGVPEVP 260
Db      772 ----GPKDGRGFPFGPPGRTGLD-----GLPCKGDVGPNGQPG-P 809
QY      261 GAIPGIGIAGVTPAAAAAATAAKAAKAAAGLVPGGPGFPGVGVPGA--GVPG-- 317
Db      810 MGPPPLGPI-GVQGP-----PPPGI-PPICQFGLHGIFGEK 845
QY      318 --GVPGGAPGVVPG-----AGIPGAAGVGVSPAAKAAKAAKAGARPGVGVGGIPTY 371
Db      846 GDPGPPGLDVPGPGRGSPGIPGA--PGPIGPGSPGLPGA----- 886
QY      372 GVGAGFPG-----FG-VGVGIPVAGVGVGVGVGVGVGVSPEAQAAAAAATAAKY 426
Db      887 --GASGFPFGKGMGMGPPGPPGLGIPGRSGVPLKGDGLQSQGLPGLPPTGKESKG 944
QY      427 GVGTPAAAAAK-----AAKAAQFGL--VPVG-----VAPGVGVAPGVGVA 466
Db      945 EPGLPGPPGPMDNLLGSKGEGEPGLPGIPGVSGPKYQGLPDPGPGGLSGQGLPGP 1004
QY      467 PGVGLAPGVGVAPGVGVAPGV-----GVAPAIKGGVAAAATAAKAAKAAKAAQ 513
Db      1005 PPKGNPGLPGQGLIGPLKGTIGDMGFFPGQGVGPPSPGPGQPGSPGLPGQKGD 1064
QY      514 LRAAGLGAIGLGVGVGVLGVGAGVGLGVGAGVPGF--GAGADGVRRLSPELRE 572
Db      1065 -----KDPGIS-SIGLPLGPKEPLGPGYFNGNFGIKGSGVGDPLGELPPTGAK 1115
QY      573 GDPSSQHLPTSPSRVPEALAAKAAKAAAGVGLGALGAGLGVGIPGVGVGAGPAA 632
Db      1116 GQPG---LPGFTPTGPPG---PKGISGPPGNPGLPGEPPGVGGGHPGQPGPCKG 1167
QY      633 AAAAAKAAKAAQFGLVGAAGLGLGVGGL-----GVPGVGLGGIPPAATAAKAAKAA 688
Db      1168 KPGQDIPGPAQKQEPGQPGFNGPGLPGLSGKGDGLPGIP-----GNPG 1217
QY      689 LGGVLGAGOFFLGGVAARPGGLSPFPFGGACLG 723
Db      1218 LPGKGEPPGHPGVQGGPPG---PPGSPGPALEG 1249

RESULT 8
US-60-487-610-2045
; Sequence 2045, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; FILE REFERENCE: CL001469
; CURRENT APPLICATION NUMBER: US/60/487,610
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2045
; LENGTH: 1283
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-487-610-2045

Query Match      15.9%; Score 601.5; DB 7; Length 1283;
Best Local Similarity 31.3%; Pred. No. 0.00013;
Matches 255; Conservative 43; Mismatches 295; Indels 222; Gaps 44;

QY      2 GVPGA--IPG--GVPGGVFPYD--AGLALGG-----GALGPGGKP-LKPVPGLAGAGLG 50
Db      564 GSPGAPGLPLPTGQDGLPLGPKGEPGGITFTKGERGPPGNPGLPLPGLPNTGPMG-- 621
QY      51 AGLGAFAVFPALPGVGVADAAAAYAAKAGAGLGGVPGVGLGVGAGVAVPPQAGV 110
Db      622 -----P-----PGFPGPGVGE-----KGIQGVAGNPGPGIPGPKGPDGGTITQPG--- 663
QY      111 KPGKVPG-----VGLPGVPGVPLPGARFPFGVGLVPGVTPGAGVKPKAPGVG----- 157
Db      664 KPG-LPKNPGCDGVGLPG-DPG--LPQ--PG---LPGIPSKG-EGIFGIGLPPPG 713
QY      158 -GAFAGIPG-----VGFPGGPGVPLGPIKAPKPLPGGYGLPPTTKL 200

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Db 622 -----P-----PFGPPGPVGE-----KGIQGVAGNPGQPGIPGPKGDPQQTITQPG--- 663  
 QY 111 KPKVPG-----VGLPGVPGVLPGARFPGVGLPGVLTGAGVFKAPGVG----- 157  
 Db 664 KPG-LPGNPGRDGDVGLPG-DPG--PG--LPGIPGSKG-EFGIPGIGLPGPPG 713  
 QY 158 -GAFAGIPG-----VGPFGGPGQPGVPLGYPIKAPKLPFGGYLYTTGKL 200  
 Db 714 PKGFGIPGPPGAPGTPGRIGLEGPPGPGFPGPKGPGFALPGP--PGPPGLPGFKGAL 771  
 QY 201 PYGFGPGVAGAGAGTGTGTGVPQAAAAAATAAKAFAGAGAGVLPFGVAGAGVPGVP 260  
 Db 772 ---GPKGDRGPPGPPGRTGLD-----GLFGKGDVGVNGQPG-P 809  
 QY 261 GAIPGTGGTAGVGTPTAAATAAATAAATAAAGLVPGGPGFPGVGVVPGGA-GVPG-- 317  
 Db 810 MGPPGLPGI-GVQGP-----PGPGI-PGIGQPGHLGIPGK 845  
 QY 318 --VGVPAGIPVVG-----AGIPGAAPGVVSPAAAAAATAAATAAAGVGVGPIPTY 371  
 Db 846 GDCPPGLDVPGPPGERSPGIPGA--PGIPGPPGSPGLPGKA----- 886  
 QY 372 GVGAGPPG-----FG-VGVGIPGAGVPGVGVGPGVPGVGLSPGAPAAAAAATAA 426  
 Db 887 --GASGPPGTGKGMGMGPPGPPGPGIPIGRSGVPLGKDDGLOGQQLPGPPTGTERKSG 944  
 QY 427 GVGTPAAAAAK-----AAAAAQFGL--VPGVG-----VAPGVGVAPGVGA 466  
 Db 945 EPGLPGPPGMDNLLSGKEGEPGLPGIPGVSGPKGYGLPGDPGQGLSGQPLPGP 1004  
 QY 467 PGVGLAPGVGAPGVGAPGV-----GVAPALPGGVAAAAAATAAATAAATAA 513  
 Db 1005 PGKGNPGLPGQGLGIPGLGKGTIGDMGPPGQGVGPPGPGVPGQPGSPGLPQKGD 1064  
 QY 514 LRAAAGLGAIGPLGVGVPLGVGAGVPLGVGAGVPGF--GAGADEGVRRSLSPELRE 572  
 Db 1065 -----KDPGIS-STGLPGLPGKGEPLPGIPGVPNGIKSGVDGFLPGTPGAK 1115  
 QY 573 GDPSSOHLPTSPSPRVPVGAATAAATAAATAAATAAATAAATAAATAAATAA 632  
 Db 1116 GQPG---LPGFPGTPGPPG---PKGISGPPGNPGLPGEPPGVGGGHPGQPPGK 1167  
 QY 633 AAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 688  
 Db 1168 KPGDGIPTGAGKGEPPGQPGFPGNPPGLPGLSGKGDGGLPGIP-----GNPG 1217  
 Db 1218 LPGKGEPPGHPGPPGVQGGPPG---PPGSPGPALEG 1249

## RESULT 9

US-60-487-610-2046  
 ; Sequence 2046, Application US/60487610  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele  
 ; APPLICANT: HUANG, Hongjin  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,  
 ; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CLO01459  
 ; CURRENT APPLICATION NUMBER: US/60/487,610  
 ; CURRENT FILING DATE: 2003-07-17  
 ; NUMBER OF SEQ ID NOS: 97101  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 2046  
 ; LENGTH: 1685  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-60-487-610-2046

Query Match 15.9%; Score 601.5; DB 7; Length 1685;  
 Best Local Similarity 31.3%; Pred. No. 0.00015;

Matches 255; Conservative 43; Mismatches 295; Indels 222; Gaps 44;  
 QY 2 GVPGA--IPG--GVPGGVFPYG--AGLGALGG---GALGPGGKP-LKPYVPGGLAGAGLG 50  
 Db 564 GSPGAGLGLPGLTGPQDGLPLPGPKGEPGIGTKGERGPPGNPLGPGNIGPMG-- 621  
 QY 51 AGLGAPFAYTFEGALVGVGVADAAAAAATAAATAAATAAATAAATAAATAAATAA 110  
 Db 622 -----P-----PFGPPGPVGE-----KGIQGVAGNPGQPGIPGPKGDPQQTITQPG--- 663  
 QY 111 KPKVPG-----VGLPGVPGVLPGARFPGVGLPGVLTGAGVFKAPGVG----- 157  
 Db 664 KPG-LPGNPGRDGDVGLPG-DPG--PG--LPGIPGSKG-EFGIPGIGLPGPPG 713  
 QY 158 -GAFAGIPG-----VGPFGGPGQPGVPLGYPIKAPKLPFGGYLYTTGKL 200  
 Db 714 PKGFGIPGPPGAPGTPGRIGLEGPPGPGFPGPKGPGFALPGP--PGPPGLPGFKGAL 771  
 QY 201 PYGFGPGVAGAGAGTGTGTGVPQAAAAAATAAATAAATAAATAAATAAATAA 260  
 Db 772 ---GPKGDRGPPGPPGRTGLD-----GLFGKGDVGVNGQPG-P 809  
 QY 261 GAIPGTGGTAGVGTPTAAATAAATAAATAAAGLVPGGPGFPGVGVVPGGA-GVPG-- 317  
 Db 810 MGPPGLPGI-GVQGP-----PGPGI-PGIGQPGHLGIPGK 845  
 QY 318 --VGVPAGIPVVG-----AGIPGAAPGVVSPAAAAAATAAATAAATAAATAA 371  
 Db 846 GDCPPGLDVPGPPGERSPGIPGA--PGIPGPPGSPGLPGKA----- 886  
 QY 372 GVGAGPPG-----FG-VGVGIPGAGVPGVGVGPGVPLGVGAGVAAAAAATAA 426  
 Db 887 --GASGPPGTGKGMGMGPPGPPGPGIPIGRSGVPLGKDDGLOGQQLPGPPTGTERKSG 944  
 QY 427 GVGTPAAAAAK-----AAAAAQFGL--VPGVG-----VAPGVGVAPGVGA 466  
 Db 945 EPGLPGPPGMDNLLSGKEGEPGLPGIPGVSGPKGYGLPGDPGQGLSGQPLPGP 1004  
 QY 467 PGVGLAPGVGAPGVGAPGV-----GVAPALPGGVAAAAAATAAATAAATAA 513  
 Db 1005 PGKGNPGLPGQGLGIPGLGKGTIGDMGPPGQGVGPPGPGVPGQPGSPGLPQKGD 1064  
 QY 514 LRAAAGLGAIGPLGVGVPLGVGAGVPLGVGAGVPGF--GAGADEGVRRSLSPELRE 572  
 Db 1065 -----KDPGIS-STGLPGLPGKGEPLPGIPGVPNGIKSGVDGFLPGTPGAK 1115  
 QY 573 GDPSSOHLPTSPSPRVPVGAATAAATAAATAAATAAATAAATAAATAAATAA 632  
 Db 1116 GQPG---LPGFPGTPGPPG---PKGISGPPGNPGLPGEPPGVGGGHPGQPPGK 1167  
 QY 633 AAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 688  
 Db 1168 KPGDGIPTGAGKGEPPGQPGFPGNPPGLPGLSGKGDGGLPGIP-----GNPG 1217  
 QY 689 LGGVILGAGQFPLGGVAAAPGFLSPFPGGACLG 723  
 Db 1218 LPGKGEPPGHPGPPGVQGGPPG---PPGSPGPALEG 1249

## RESULT 10

PCT-US03-26780-3117  
 ; Sequence 3117, Application PC/TUS0326780  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FIVEPRIME THERAPEUTICS, INC.  
 ; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF  
 ; TITLE OF INVENTION: THEIR USE  
 ; FILE REFERENCE: 08940.0014-00304  
 ; CURRENT APPLICATION NUMBER: PCT/US03/26780  
 ; CURRENT FILING DATE: 2003-08-28  
 ; PRIOR APPLICATION NUMBER: 60/406,616  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,579  
 ; PRIOR FILING DATE: 2002-08-29

; PRIOR APPLICATION NUMBER: 60/406,655  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,642  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,640  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,588  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,576  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,646  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,666  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,653  
 ; PRIOR FILING DATE: 2002-08-29  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 3700  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 3117  
 ; LENGTH: 8973  
 ; TYPE: PRF  
 ; ORGANISM: Homo sapiens  
 PCT-US03-26780-3117

Query Match 15.98; Score 600.5; DB 1; Length 8973;  
 Best Local Similarity 31.98; Pred. No. 0.00028;  
 Matches 262; Conservative 2; Mismatches 373; Indels 184; Gaps 34;  
 QY 1 GGVCAIPGG----VPGGVYPGALGALGGG--ALGPGGKPLKVPVGGLAGLAGLGG 54  
 DB 4518 GGAGTATAGCTACATGAACAGGAG--GAGAGGCTACGTGA-----ACAGGAGGAGGCTG 4572  
 QY 55 APPAVTFPGALVPGGVADAAAAYAAKAGAGLGGVPGVGGVGSAGVVPQPCAGVXPK 114  
 DB 4573 -----TGTGAACAGGA-----GGAGAGGCTGTGTGAACAG-----GAG----- 4605  
 QY 115 VPGVGLPVYVGGV----LPGARFPVGVLPVPGVAGVXPKAPVGGGAF-----G 162  
 DB 4606 --GAGAGGCTACGTGAACATGAGGAGAGGCTGTGTGAAC-----AGGAGGAGGCTAC 4650  
 QY 163 IPGVGPFPGPVPLGVPIKAPKLPGGVGLPYTTTKLPYGVPGGVAGAGK--AGYPTG 221  
 DB 4661 AACAGAGGAGGAGGCTGTGTGA--ACAGGAGGAGGCTACGTGAACATGAGGAGGCTG 4719  
 QY 222 TGVGFQAA-----AAAAAAXAAXKAGAGVLPVGGVAGVPGVPAIPGTGTAGVGT 276  
 DB 4720 TGTGAACAGGAGGAGGCTATGTGAACAG--GAGGAGAGGCTACATGAACAGGAGGAG 4776  
 QY 277 AAAAAAAXAAXKAGAGVLPVGGVAGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 332  
 DB 4777 AGCTACGTGAACAGGAGGAGGCTGTGTGAACAGGAGGAGGCTACGTGAACATGAG 4836  
 QY 333 IPGAAPVGVSPERAAAAAAXAAXKAGVPGVGGVGTIPYGVGAGGPF--GVGVGGIPGV 391  
 DB 4837 --GAGAGGCTGTGTGAAC-----GGAGGAGGCTACGTGAACATGAGGAGGCTGT 4888  
 QY 392 ---AGVPGVGGVPGVGGVPGV--GVGISPEAQAAXAAXAAXKAGVGTPTAAAAAAXA 441  
 DB 4889 GTGAACAGGAGGAGGAGGCTACGTGAACAGGAGGAGGCTGTGTGAACAGGAGGAGG 4948  
 QY 442 -----AAQFGLVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 494  
 DB 4949 TACGTGAACAGGAGGAGGAGGCTGTGTGAACAGGAGGAGGCTGCCAGGCGAGGAGGCT 5008  
 QY 495 PGVAAA-----AKSAKVAAXAAXAAXAAXAAXAAXAAXAAXAAXAAXAAXAAX 549  
 DB 5009 TGAAGAGGAGGAGGAGGCTGTGTGAACAGGAGGAG-----GGCGAGGAGGAGGAGG 5060  
 QY 550 GVPGF-----GAGAGGVRRSLSPELREGDPSSQHLFPSTPSPVPRVPCALAAAAA 604  
 DB 5061 GAGCTGCTGGAGAGGGA-----GGCTGCTGGA 5090

QY 605 AVPGVGLGGLGAGVGPVGGVYAGPAPAAAAAAXAAXAAXAAXAAXAAXAAXAAXA 654  
 DB 5091 AGAGTGGAGAGGCTGTGTAGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 5150  
 QY 655 ---GGLVGGGL-----GVPGVGGGLGCI-----PPAAAAAAXAAXAAXAAXAAX 699  
 DB 5151 GAGGAGGAGGCTGTGTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 5209  
 QY 700 PLGGVVAARPGLSLPIPPGGA-----CLGXAGG 727  
 DB 5210 --AGCAGGAGGAGGCTGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 5248  
 RESULT 11  
 US-60-487-610-2407  
 ; Sequence 2407, Application US/60487610  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele  
 ; APPLICANT: HUANG, Hongjin  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,  
 ; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001469  
 ; CURRENT APPLICATION NUMBER: US/60/487,610  
 ; CURRENT FILING DATE: 2003-07-17  
 ; NUMBER OF SEQ ID NOS: 97101  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 2407  
 ; LENGTH: 1284  
 ; TYPE: PRF  
 ; ORGANISM: Homo sapiens  
 US-60-487-610-2407

Query Match 15.58; Score 587; DB 7; Length 1284;  
 Best Local Similarity 33.88; Pred. No. 0.00023;  
 Matches 269; Conservative 32; Mismatches 341; Indels 154; Gaps 47;  
 QY 2 GVEPALPGVPGVYTPG--AGL--GALG--GAGLPGGKPLK-----VPGGLAGAGLGG 54  
 DB 74 GLPPT--AGLPGMKGHRGFSGLDGAKGDAGAPGKPEFSGPENGAPGQMPRLPGRG 131  
 QY 55 APPAVTFPGALVPGGV-----ADAAAAXAAXKAGAGLGGVPGVGGVGSAGVVPQPGAG 109  
 DB 132 R-----PGAPCAGAGNDGATCAAGPPGPTGAPGPFPGAVGAKGAGGAGPGRSG 185  
 QY 110 VKPKVPG--VGLPVYVPGVLPGARPPGVLPVPGVTPGAGVVKPAKPGVGGAFAGIPV--G 167  
 DB 186 --PQGVVGGPPPG--PAGAAGPAGNPGADGPGAKGANG-----APGIAGA--PFTFGAG 236  
 QY 168 PFGGPPGVPVLPVPIKAPKLPGGVGLPYTTTKLPYGVPGVAGAGKAGYPTGTGV--GP 226  
 DB 237 PSQPGPGPPPG-----PK--GNSGEP-----GAPSGKGTAKGEPGVGVQGP 279  
 QY 227 QAAAAAAXAAXKAGAGAGVLPGV-----GGAGVPGVPGA--IPGIGGIAGV--GTPAAA 279  
 DB 280 PGPAEEGKRGARGEPPTG--LPGPPGERGGPSGRGFFGADGVAGKPGPAGERSGPPAG 338  
 QY 280 AAAAAAAXAAXKAG-----AAAGLV--PGGPGFPGVVGVPGA-----GVPG--VGVP 323  
 DB 339 PKGSPGEGRPGEGAGLPGAKGLTSGPSGP--PDGKTGPPGAGDGRPPGPPGARGQA 397  
 QY 324 GIFVPG-----AGIFG--AAVPGVVSPEAAKAAAXAAXKAGVPGVGGVGTPTGVGAGGF 378  
 DB 398 GVMGFFPKGAAGEFKAAGERVPGPPGAVGVPAGKDGEGAGAGGPPGAG--PAGERSEQ-- 455  
 QY 379 PFGVGVGIPGVAGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 436  
 DB 456 PAPSPPQGLPAPAPPEAKPQEQVFPDLGAPCSARGCERCFPERGVQGPFGPAG 515  
 QY 437 KAAAAAAXAAXKAGVPGVAGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 487  
 DB 516 PRGNGA-----PGNDGAKGDAGAG--APGSQAGAPGLQMPGERGAAGLPGKDRGD 567













Db 378 PFGGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAQAAYGVGTFAAAAAA 437  
 QY 61 AAAAQAQFGLVPGVGVAPGVAGVAPGVGLAPGVGVAPGVGVAPGVGAFAIGPEA 120  
 Db 438 AAAAQAQFGLVPGVGVAPGVAGVAPGVGLAPGVGVAPGVGVAPGVGAFAIGPGG 497  
 QY 121 QAAAAAQAAYGVGTFAAAAAAQAAYGVGTFAAAAAAQAAYGVGTFAAAAAA 176  
 Db 498 VAAAKSAK-----VAAKAQLRAAA-GLGAGIPGLGV--GVGV-PGLGVGAGVPL 545  
 QY 177 APGVGVAPGVAGVAPGVAPGPAIGP 200  
 Db 546 GVGAGV-PGFGAGADEGVRRLSP 568

RESULT 5  
 US-08-911-364-1  
 ; Sequence 1, Application US/08911364  
 ; Patent No. 5969106  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ROTHSTEIN, Asar  
 ; APPLICANT: KEELY, Fred W.  
 ; APPLICANT: ROTHSTEIN, Steven J.  
 ; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN  
 ; TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: FOLEY & LARDNER  
 ; STREET: 3000 K Street, N.W.  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: U.S.A.  
 ; ZIP: 20007-5109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/911,364  
 FILING DATE: 07-AUG-1997  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/023,552  
 FILING DATE: 07-AUG-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Bent, Stephen A.  
 REGISTRATION NUMBER: 29,768  
 REFERENCE/DOCKET NUMBER: 041082/0104  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 672-5300  
 TELEFAX: (202) 672-5399  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 731 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-911-364-1

Query Match 70.0%; Score 707.5; DB 2; Length 731;  
 Best Local Similarity 76.5%; Pred. No. 1.5e-53;  
 Matches 156; Conservative 6; Mismatches 25; Indels 17; Gaps 7;  
 QY 1 PFGGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAQAAYGVGTFAAAAAA 60  
 Db 378 PFGGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAQAAYGVGTFAAAAAA 437  
 QY 61 AAAAQAQFGLVPGVGVAPGVAGVAPGVGLAPGVGVAPGVGVAPGVGAFAIGPEA 120  
 Db 438 AAAAQAQFGLVPGVGVAPGVAGVAPGVGLAPGVGVAPGVGVAPGVGAFAIGPGG 497

QY 121 QAAAAAQAAYGVGTFAAAAAAQAAYGVGTFAAAAAAQAAYGVGTFAAAAAA 176  
 Db 498 VAAAKSAK-----VAAKAQLRAAA-GLGAGIPGLGV--GVGV-PGLGVGAGVPL 545  
 QY 177 APGVGVAPGVAGVAPGVAPGPAIGP 200  
 Db 546 GVGAGV-PGFGAGADEGVRRLSP 568  
 RESULT 6  
 US-08-464-700-2  
 ; Sequence 2, Application US/08464700  
 ; Patent No. 6232458  
 ; GENERAL INFORMATION:  
 ; APPLICANT: WEISS, ANTHONY S  
 ; APPLICANT: MARTIN, STEPHEN L  
 ; TITLE OF INVENTION: SYNTHETIC POLYNUCLEOTIDES  
 ; NUMBER OF SEQUENCES: 54  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Howson and Howson  
 ; STREET: Spring House Corporate Cntr, PO Box 457  
 ; CITY: Spring House  
 ; STATE: Pennsylvania  
 ; COUNTRY: USA  
 ; ZIP: 19477  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/464,700  
 ; FILING DATE: 7-JUN-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: AU PL6520  
 ; FILING DATE: 22-DEC-1992  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: AU PL9661  
 ; FILING DATE: 28-JUN-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/AU93/00655  
 ; FILING DATE: 16-DEC-1993  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Bak, Mary E.  
 ; REGISTRATION NUMBER: 31,215  
 ; REFERENCE/DOCKET NUMBER: GHC30USA  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 215-540-9200  
 ; TELEFAX: 215-540-5818  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 733 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-464-700-2

Query Match 70.0%; Score 707.5; DB 3; Length 733;  
 Best Local Similarity 76.5%; Pred. No. 1.5e-53;  
 Matches 156; Conservative 6; Mismatches 25; Indels 17; Gaps 7;  
 QY 1 PFGGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAQAAYGVGTFAAAAAA 60  
 Db 380 PFGGFGVGGIPGVAGVPGVPGVGGVGGISPEAQAAAAAQAAYGVGTFAAAAAA 439  
 QY 61 AAAAQAQFGLVPGVGVAPGVAGVAPGVGLAPGVGVAPGVGVAPGVGAFAIGPEA 120  
 Db 440 AAAAQAQFGLVPGVGVAPGVAGVAPGVGLAPGVGVAPGVGVAPGVGAFAIGPGG 499  
 QY 121 QAAAAAQAAYGVGTFAAAAAAQAAYGVGTFAAAAAAQAAYGVGTFAAAAAA 176  
 Db 500 VAAAKSAK-----VAAKAQLRAAA-GLGAGIPGLGV--GVGV-PGLGVGAGVPL 547





Query Match 40.0%; Score 404.5; DB 1; Length 988;  
Best Local similarity 55.8%; Pred. No. 2.4e-27;  
Matches 120; Conservative 11; Mismatches 51; Indels 33; Gaps 20;

Qy	3	GFGVGGGIPGV----	AGVPGVG----	GVPGVG----	GVPGVGISPEAQA	AAAAAAKAYG	50
Db	69	GSAGAGSPGV	PGVPGV	PGVPGV	PGVPGV	PGVPGV	127
Qy	51	VGTPAAAAKA	-----	AKAAQFLP	PGVGVAPGV	PGVGVAPGV	105
Db	128	SGAGAGSGAG	SGAGAGSGAG	SGVPGGV-	PGVGV-	PGVGV-	182
Qy	106	VAPGVGVAIPA	PEAQA	AAAAAAKAYG	VGTPAAAAKA-	AKAAQFLP	164
Db	193	V-PGVGV-	PGVGGAG	SGAGSGAG	SGAGSGAG	SGAGSGAG	239
Qy	165	APGVGVAPGV	LAPGV	GVAPGV	GVAPGV	APGAIG	199
Db	240	-PGVGV-	PGVGV-	PGVGV-	PGVGV-	PGVGV-	268

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1 RESULT 14
2 US-08-806-029-28
3 US-Sequence 28, Application US/08806029
4 Patent No. 6380154
5 GENERAL INFORMATION:
6 APPLICANT: Cappello, Joseph
7 APPLICANT: Stedronsky, Erwin R.
8 TITLE OF INVENTION: Synthetic Proteins for in vivo Drug
9 TITLE OF INVENTION: Delivery and Tissue Augmentation
10 NUMBER OF SEQUENCES: 36
11 CORRESPONDENCE ADDRESS:
12 ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
13 STREET: Four Embarcadero Center, Suite 3400
14 CITY: San Francisco
15 STATE: California
16 COUNTRY: United States
17 ZIP: 94111
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Floppy disk
20 COMPUTER: IBM PC compatible
21 OPERATING SYSTEM: PC-DOS/MS-DOS
22 SOFTWARE: PatentIn Release #1.0, Version #1.30
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/08/806,029
25 FILING DATE: 24-FEB-1997
26 CLASSIFICATION: 514
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: US 08/212,237
29 FILING DATE: 11-MAR-1994
30 ATTORNEY/AGENT INFORMATION:
31 NAME: Treacartin, Richard F.
32 REGISTRATION NUMBER: 31,801
33 REFERENCE/DOCKET NUMBER: A-58847-2/RFT/MTK
34 TELECOMMUNICATION INFORMATION:
35 TELEPHONE: (415) 781-1389
36 TELEFAX: (415) 398-3249
37 INFORMATION FOR SEQ ID NO: 28:
38 SEQUENCE CHARACTERISTICS:
39 LENGTH: 988 amino acids
40 TYPE: amino acid
41 STRANDEDNESS: unknown

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Db 121 QAAAAAAXYGVGTFAAAAAAAXAQAQFGLVPGVGVAPGVGVAPGVGLAPGV 180
QY 181 GVAPGVGVAPGVVAPAIGP 200
Db 181 GVAPGVGVAPGVVAPAIGP 200

RESULT 2
US-09-964-662-11
; Sequence 11, Application US/09964662
; Publication No. US20030166846A1
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; TITLE OF INVENTION: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR FILING DATE: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-964-662-11

Query Match 99.4%; Score 1004; DB 12; Length 199;
Best Local Similarity 100.0%; Pred. No. 4.5e-67;
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 PFPGVGVGGTIPGVAGVPGVGGVPGVGVGSPGAQAQAAAAAAXYGVGTFAAAAAA 61
Db 1 PFPGVGVGGTIPGVAGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 60
QY 62 AAKAAQFGLVPGVGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAP 121
Db 61 AAKAAQFGLVPGVGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGV 120
QY 122 AAAAAAAXYGVGTFAAAAAAAXAQAQFGLVPGVGVAPGVGVAPGVGVGLAPGV 181
Db 121 AAAAAAAXYGVGTFAAAAAAAXAQAQFGLVPGVGVAPGVGVAPGVGVGLAPGV 180
QY 182 VAPGVGVAPGVVAPAIGP 200
Db 181 VAPGVGVAPGVVAPAIGP 199

RESULT 3
US-09-964-662-1
; Sequence 1, Application US/09964662
; Publication No. US20030166846A1
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; TITLE OF INVENTION: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR FILING DATE: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-964-662-1
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Query Match 71.0%; Score 717.5; DB 12; Length 731;
Best Local Similarity 77.5%; Pred. No. 1.9e-45;
Matches 158; Conservative 6; Mismatches 23; Indels 17; Gaps 7;

QY 1 PFPGVGVGGTIPGVAGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 60
Db 378 PFPGVGVGGTIPGVAGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 437
QY 61 AAKAAQFGLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAP 120
Db 438 AAKAAQFGLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 497
QY 121 QAAAAAAXAAXYGVGTFAAAAAAAXAQAQFGLVPGVGGVAPGVGVAPGVGV 176
Db 498 VAAAKAKSRAK-----VAAKAQQLRAAA-GLGAGIPGLGV--GVGV-PGLGVGVGPGL 545
QY 177 APGVGVAPGVGVAPGVVAPAIGP 200
Db 546 GVGAGV-PGFAGAGADEGVRRLSLP 568

RESULT 4
US-09-961-403-8
; Sequence 8, Application US/09961403
; Publication No. US20030077589A1
; GENERAL INFORMATION:
; APPLICANT: HE-STUMPP, HOLGER
; APPLICANT: HARNDLER, BERNARD
; APPLICANT: KRAETZSCHMAR, JOERN
; APPLICANT: KREFT, BERTHOLT
; APPLICANT: WINTERHAGER, ELKE
; APPLICANT: REGIDOR, PEDRO
; APPLICANT: SCOTTI, SIMONE
; TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS
; FILE REFERENCE: SCH-1789
; CURRENT APPLICATION NUMBER: US/09/961,403
; CURRENT FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 730
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-961-403-8

Query Match 69.0%; Score 697; DB 11; Length 730;
Best Local Similarity 52.7%; Pred. No. 6e-44;
Matches 164; Conservative 6; Mismatches 25; Indels 116; Gaps 7;

QY 1 PFPGVGVGGTIPGVAGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 60
Db 404 PFPGVGVGGTIPGVAGVPSGVGGVPGVGGVPGVGGVPGVGGVPGVGGVPGVGGV 463
QY 61 AAKAAQF-----GLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 114
Db 464 AAKAAQFALLNLAGLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 523
QY 115 AIGPAAQA-----
Db 524 GIGFPGVAAAKSAKAAKAAQALRAAGLAGIPGLGVGVGPGLGVGAGVPGVLGVGAGV 583
QY 124 -----AAAKAAXYGVGTP-----AAAAAAXAAXAA 148
Db 584 PFGAVPFGALAAAKAAXYGAAYPGVLGGLGALGSGVGPVGGVGGVAGPAAAAAAXAAXAA 643
QY 149 QFGLVPGVGVAPGVGV-----APGVGVAPGV-----GLAPGVGVAP--G 185
Db 644 QFGLVGAAGLG-GLGVGGLGVPGVGGGLGTPPAAAAAAXAAXYGAAGLGVGLGAGQGFPLGG 702
QY 186 YGVAPGVGVAP 196
Db 703 VAARPFGGLSP 713
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 10, 2003, 18:38:08 ; Search time 146.227 Seconds  
(without alignments)  
1244.528 Million cell updates/sec

Title: US-09-964-662-2  
Perfect score: 1010  
Sequence: 1 PFCFGVGVGGIPGAGVPGV.....GVAPGVGVPAGVAPAGP 200

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 5728757 seqs, 909918778 residues  
Total number of hits satisfying chosen parameters: 5728757

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*  
1: /cgn2\_6/ptodata/1/paa/PCTUS\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/paa/US06\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/paa/US07\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/paa/US08\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/paa/US081\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/paa/US082\_COMB.pep.\*  
7: /cgn2\_6/ptodata/1/paa/US083\_COMB.pep.\*  
8: /cgn2\_6/ptodata/1/paa/US084\_COMB.pep.\*  
9: /cgn2\_6/ptodata/1/paa/US085\_COMB.pep.\*  
10: /cgn2\_6/ptodata/1/paa/US086\_COMB.pep.\*  
11: /cgn2\_6/ptodata/1/paa/US087\_COMB.pep.\*  
12: /cgn2\_6/ptodata/1/paa/US088\_COMB.pep.\*  
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22: /cgn2\_6/ptodata/1/paa/US097B\_COMB.pep.\*  
23: /cgn2\_6/ptodata/1/paa/US098\_COMB.pep.\*  
24: /cgn2\_6/ptodata/1/paa/US099A\_COMB.pep.\*  
25: /cgn2\_6/ptodata/1/paa/US099B\_COMB.pep.\*  
26: /cgn2\_6/ptodata/1/paa/US100\_COMB.pep.\*  
27: /cgn2\_6/ptodata/1/paa/US101\_COMB.pep.\*  
28: /cgn2\_6/ptodata/1/paa/US102\_COMB.pep.\*  
29: /cgn2\_6/ptodata/1/paa/US103\_COMB.pep.\*  
30: /cgn2\_6/ptodata/1/paa/US104\_COMB.pep.\*  
31: /cgn2\_6/ptodata/1/paa/US106\_COMB.pep.\*  
32: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Score	Match Length	ID	Description
1	1010	100.0	200 25	US-09-964-662-2 Sequence 2, Appli

2	1004	99.4	199 25	US-09-964-662-11	Sequence 11, Appli
3	717.5	71.0	731 25	US-09-964-662-1	Sequence 1, Appli
4	716	70.9	702 32	US-60-453-050-10290	Sequence 10290, A
5	716	70.9	702 32	US-60-453-135-10290	Sequence 10290, A
6	716	70.9	702 32	US-60-466-412-10290	Sequence 10290, A
7	714	70.7	772 22	US-09-760-494-217	Sequence 217, App
8	714	70.7	772 28	US-10-223-026-217	Sequence 217, App
9	713.5	70.6	757 32	US-60-453-050-10289	Sequence 10289, A
10	713.5	70.6	757 32	US-60-453-135-10289	Sequence 10289, A
11	713.5	70.6	757 32	US-60-466-412-10289	Sequence 10289, A
12	712	70.5	711 28	US-10-210-172-38	Sequence 38, Appli
13	710	70.3	698 18	US-09-463-091-3	Sequence 3, Appli
14	710	70.3	698 21	US-09-743-818-5	Sequence 5, Appli
15	709.5	70.2	660 18	US-09-463-091-5	Sequence 5, Appli
16	709.5	70.2	660 21	US-09-743-818-6	Sequence 6, Appli
17	708	70.1	712 19	US-09-554-996-3	Sequence 3, Appli
18	708	70.1	730 19	US-09-554-996-8	Sequence 8, Appli
19	707.5	70.0	731 21	US-09-743-818-4	Sequence 4, Appli
20	707.5	70.0	733 18	US-09-463-091-2	Sequence 2, Appli
21	707.5	70.0	757 1	PCT-US03-09391-2	Sequence 2, Appli
22	697	69.0	692 28	US-10-210-172-40	Sequence 40, Appli
23	697	69.0	730 25	US-09-961-403-8	Sequence 8, Appli
24	691	68.4	571 21	US-09-743-818-7	Sequence 7, Appli
25	670.5	66.4	515 21	US-09-743-818-71	Sequence 71, Appli
26	627	62.1	663 27	US-10-108-260A-2477	Sequence 2477, Ap
27	606	60.0	472 20	US-09-611-523-212	Sequence 212, App
28	606	60.0	472 29	US-10-305-278-212	Sequence 212, App
29	603	59.7	118 25	US-09-964-662-10	Sequence 10, Appli
30	597	59.1	117 25	US-09-964-662-9	Sequence 9, Appli
31	567	56.1	617 27	US-10-104-047-2915	Sequence 2915, Ap
32	525	52.0	745 16	PCT-US99-04440-38	Sequence 38, Appli
33	525	52.0	745 23	US-09-258-723-38	Sequence 38, Appli
34	525	52.0	745 23	US-09-837-969A-38	Sequence 38, Appli
35	525	52.0	745 23	US-09-841-321A-38	Sequence 38, Appli
36	448	44.4	148 1	PCT-US99-04440-14	Sequence 14, Appli
37	448	44.4	148 16	US-09-258-723-14	Sequence 14, Appli
38	448	44.4	148 23	US-09-837-969A-14	Sequence 14, Appli
39	448	44.4	148 23	US-09-841-321A-14	Sequence 14, Appli
40	429	42.5	119 23	US-09-807-742-15	Sequence 15, Appli
41	409.5	40.5	864 28	US-10-219-051B-2524	Sequence 2524, Ap
42	375	37.1	1413 11	US-08-707-237-45	Sequence 45, Appli
43	375	37.1	1464 8	US-08-477-509-74	Sequence 74, Appli
44	375	37.1	1464 8	US-08-482-085-74	Sequence 74, Appli
45	375	37.1	1465 26	US-10-096-986-74	Sequence 74, Appli

ALIGNMENTS

RESULT 1  
US-09-964-662-2  
; Sequence 2, Application US/09964662  
; GENERAL INFORMATION: PROTEIN SPECIALTIES LTD.  
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
; FILE OF INVENTION: OTHER FIBROUS PROTEINS  
; CURRENT APPLICATION NUMBER: US/09/964,662  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 200  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: polypeptide  
US-09-964-662-2







[illegible]

```

RESULT 8
US-10-223-026-217
  Sequence 217, Application US/10223026
  GENERAL INFORMATION:
  APPLICANT: Rosen et al.
  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
  FILE REFERENCE: PC018C1N
  CURRENT APPLICATION NUMBER: US/10/223,026
  CURRENT FILING DATE: 2002-08-19
  PRIOR APPLICATION NUMBER: 09/760,494
  PRIOR FILING DATE: 2001-01-16
  PRIOR APPLICATION NUMBER: 60/179,065
  PRIOR FILING DATE: 2000-01-31
  PRIOR APPLICATION NUMBER: 60/180,628
  PRIOR FILING DATE: 2000-02-04
  PRIOR APPLICATION NUMBER: 60/214,886
  PRIOR FILING DATE: 2000-06-28
  PRIOR APPLICATION NUMBER: 60/217,487
  PRIOR FILING DATE: 2000-07-11
  PRIOR APPLICATION NUMBER: 60/225,758
  PRIOR FILING DATE: 2000-08-14
  PRIOR APPLICATION NUMBER: 60/220,963
  PRIOR FILING DATE: 2000-07-26
  PRIOR APPLICATION NUMBER: 60/217,496
  PRIOR FILING DATE: 2000-07-11
  PRIOR APPLICATION NUMBER: 60/225,447
  PRIOR FILING DATE: 2000-08-14
  PRIOR APPLICATION NUMBER: 60/218,290
  PRIOR FILING DATE: 2000-07-14
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 258
  SOFTWARE: PatentIn Ver. 2.0
  SEQ ID NO 217
    LENGTH: 772
  TYPE: PRT
  ORGANISM: Homo sapiens
  FEATURE:
  NAME/KEY: misc_feature
  LOCATION: (25)
  OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
  FEATURE:
  NAME/KEY: misc_feature
  LOCATION: (192)
  OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
  FEATURE:
  NAME/KEY: misc_feature
  LOCATION: (488)
  OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
  FEATURE:
  NAME/KEY: misc_feature
  LOCATION: (647)
  OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-223-026-217

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Query Match      70.7%; Score 714; DB 28; Length 772;
Best Local Similarity 56.5%; Pred. No. 5.7e-49;
Matches 165; Conservative 6; Mismatches 19; Indels 102; Gaps 7;

QY      1 PFQGTGVGGIGPVGAGVPGVGGVPGVGIGVSPFAQAAAAAARAAKATGYGVTPAAAAAK 60
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[illegible]

```

RESULT 9
US-60-453-050-10289
; Sequence 10289, Application US/60453050
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: LUKE, May
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001457
; CURRENT APPLICATION NUMBER: US/60/453,050
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-050-10289

```

Query Match	70.68;	Score 713.5;	DB 32;	Length 757;
Best Local Similarity	77.0%;	Pred. No. 6.1e-49;		
Matches 157; Conservative	6;	Mismatches 24;	Indels 17;	Gaps 7;
Qy	1	PFPGVGVGIGPVAGVPCGVGGVPGVGVPCEQAQAAAAKAAKYGVGTPTAAAARK	60	
Dd	404	PFPGVGVGIGIPGAVGPCVGGVPGVGVPCEQAQAAAAKAAKYGVGTPTAAAARK	463	
Qy	61	AAAKAAGFLVPGVGVPAGCVGVAPCGVGLAPGVGVAPGVGVAPAIGPFA	120	
Dd	464	AAAKAAGFLVPGVGVPAGCVGVAPCGVGLAPGVGVAPGVGVAPAIGPFG	523	
Qy	121	QAAAAAAKKAYGYTPTAAAAKAAKAQGQL---	VPGVGVPAGVGVAPGVGPVCGL	176
Dd	524	VAAAAKSAK-----VAKAQIRAAA--GLGAGIPLGV--	GVGV-PGLGVGAGVPGL	571
Qy	177	APGVGVAPGVGVAPGVGPAIGP	200	
Dd	572	GWGRGV--PGFAGADEGVRRLSP	594	

```

RESULT 10
US-60-453-135-10289
; Sequence 10289, Application US/60453135
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES
; FILE REFERENCE: CI001456
; CURRENT APPLICATION NUMBER: US/60/453,135
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10289

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```

; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-135-10289

Query Match          70.6%; Score 713.5; DB 32; Length 757;
Best Local Similarity 77.0%; Pred. No. 6.1e-49;
Matches 157; Conservative 6; Mismatches 24; Indels 17; Gaps 7;

QY 1 PFGGVGVGIPGVAGVPGVGVPGVGVGSPGAQAAAAAQAAYGVGTPTAAAAAK 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 404 PFGGVGVGIPGVAGVPGVGVPGVGVGSPGAQAAAAAQAAYGVGTPTAAAAAK 463

QY 61 AAATAAAGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 464 AAATAAAGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 523

QY 121 QAAAAAQAAYGVGTPTAAAAAQAAYGVGTPTAAAAAQAAYGVGTPTAAAAA 176
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 524 VAAAAKSAK-----VAQAQLRAAA-GLGAGIPGLGV--GVGV-PGLGVGAGVPG 571

QY 177 APGVGAGVPGVAGVPGVAGVPAIGP 200
   || || || || || || || || || || || || || || || || || || || ||
Db 572 GVGAGV-PGFGAGDEGVRSLSP 594

RESULT 11
US-60-466-412-10289
; Sequence 10289, Application US/60466412
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CUG01466
; CURRENT APPLICATION NUMBER: US/60/466.412
; CURRENT FILING DATE: 2003-04-30
; NUMBER OF SEQ ID NOS: 429241
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-466-412-10289

Query Match          70.6%; Score 713.5; DB 32; Length 757;
Best Local Similarity 77.0%; Pred. No. 6.1e-49;
Matches 157; Conservative 6; Mismatches 24; Indels 17; Gaps 7;

QY 1 PFGGVGVGIPGVAGVPGVGVPGVGVGSPGAQAAAAAQAAYGVGTPTAAAAAK 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 404 PFGGVGVGIPGVAGVPGVGVPGVGVGSPGAQAAAAAQAAYGVGTPTAAAAAK 463

QY 61 AAATAAAGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 464 AAATAAAGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 523

QY 121 QAAAAAQAAYGVGTPTAAAAAQAAYGVGTPTAAAAAQAAYGVGTPTAAAAA 176
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 524 VAAAAKSAK-----VAQAQLRAAA-GLGAGIPGLGV--GVGV-PGLGVGAGVPG 571

QY 177 APGVGAGVPGVAGVPGVAGVPAIGP 200
   || || || || || || || || || || || || || || || || || || || ||
Db 572 GVGAGV-PGFGAGDEGVRSLSP 594

RESULT 12
US-10-210-172-38
; Sequence 38, Application US/10210172
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Miller, Charles
; APPLICANT: Patturajan, Meera

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; APPLICANT: Pena, Carol
; APPLICANT: Rieger, Daniel
; APPLICANT: Shinkets, Richard
; APPLICANT: Zernusen, Bryan
; APPLICANT: Li, Li
; APPLICANT: Ji, Weizhen
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Casman, Stacie
; APPLICANT: Voss, Edward
; APPLICANT: Boldog, Ferenc
; APPLICANT: Gorman, Linda
; APPLICANT: Leite, Mario
; APPLICANT: Vernet, Corine
; APPLICANT: Anderson, David
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zhong, Mei
; APPLICANT: Gerlach, Valerie
; APPLICANT: Hjalt, Tord
; APPLICANT: Rastelli, Luca
; APPLICANT: Spytex, Kimberly
; APPLICANT: Edinger, Shlomit
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uriel
; APPLICANT: MacDougall, John
; APPLICANT: Stone, David
; APPLICANT: Alsobrook II, John
; APPLICANT: Lepley, Denise et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND ME
; FILE REFERENCE: 21402-416 A
; CURRENT APPLICATION NUMBER: US/10/210.172
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/309,501
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/323,994
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/373,814
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/310,291
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/310,951
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/310,544
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: 60/311,292
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/311,979
; PRIOR FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/313,201
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/312,892
; PRIOR FILING DATE: 2001-08-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: Curasequelist version 0.1
; SEQ ID NO 38
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-210-172-38

Query Match          70.5%; Score 712; DB 28; Length 711;
Best Local Similarity 56.2%; Pred. No. 7.5e-49;
Matches 164; Conservative 7; Mismatches 19; Indels 102; Gaps 7;

QY 1 PFGGVGVGIPGVAGVPGVGVPGVGVGSPGAQAAAAAQAAYGVGTPTAAAAAK 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 409 PFGGVGVGIPGVAGVPGVGVPGVGVGSPGAQAAAAAQAAYGVGTPTAAAAAK 468

QY 61 AAATAAAGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 469 AAATAAAGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 528

QY 121 QAA----- 123

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Db 529 VAAAKSAKVAAKAQLRAAAGLGGAGIPGIVGVGVGPGIVGAGVPGGLGVGAGVPGGAV 588
QY 124 ----AAAKAAYGVGTP-----AAAAAAAAAKAAQFGLVP 154
Db 589 PGALAAAKAAYGAAVPGVGGIGLGGAGVPGVGGVAGPAAAKAAAKAAQFGLV 648
QY 155 GVGAVPGVAVPGVAVPGVGLAPGVAVP-----GVGVAPGVAVP 196
Db 649 AAGLG-GLGVG-PGVG-PGVG---GLGGIPPAAKAAKAYGVAARPGFGLSP 694

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## RESULT 13

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US-09-463-091-3
; Sequence 3, Application US/09463091
; GENERAL INFORMATION:
; APPLICANT: WEISS, ANTHONY S
; TITLE OF INVENTION: TROPOELASTIN DERIVATIVES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GRIFFITH HACK
; STREET: 168 WALKER STREET
; CITY: NORTH SYDNEY
; STATE: NEW SOUTH WALES
; COUNTRY: AUSTRALIA
; ZIP: 2060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/463,091
; FILING DATE: 31-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU P08117
; FILING DATE: 18-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: GUMLEY, THOMAS P
; REFERENCE/DOCKET NUMBER: 048282K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 61 2 9957 5944
; TELEFAX: 61 2 9957 6288
;
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 698 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-463-091-3

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Query Match 70.3%; Score 710; DB 18; Length 698;
Best Local Similarity 53.8%; Pred. No. 1.1e-48;
Matches 164; Conservative 6; Mismatches 25; Indels 110; Gaps 6;
QY 1 FPGFVGVGIPGVAVPGVGVGVGIPGIVGVGVGIPGIVGVGAGVPGGAV 588
Db 378 FPGFVGVGIPGVAVPGVGVGVGIPGIVGVGVGIPGIVGVGAGVPGGAV 60
QY 61 AAKAAQFGLVPGVAVPGVAVPGVGLAPGVAVPGVAVPGVAVPGVAVPGVAV 120
Db 438 AAKAAQFGLVPGVAVPGVAVPGVGLAPGVAVPGVAVPGVAVPGVAVPGVAV 497
QY 121 QAA----- 123
Db 498 VAAAKSAKVAAKAQLRAAAGLGGAGIPGIVGVGVGPGIVGAGVPGGAV 557
QY 124 ----AAAKAAYGVGTP-----AAAAAAAAAKAAQFGLVP 154

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Db 558 PGALAAAKAAYGAAVPGVGLGGALGGVGPVGGVGVGAGPAAAKAAAKAAQFGLV 617
QY 155 GVGAVPGV---APGVGVAVPGV-----GLAPGVGVAVP--GVGVAVP 191
Db 618 AAGLG-GLGVGGLGVPGVGGIGGIPPAAKAAKAYGAAGLGGVGLGGAGPPLGGV 676
QY 192 VGVAVP 196
Db 677 FGLSP 681

```

## RESULT 14

```

US-09-743-818-5
; Sequence 5, Application US/09743818
; GENERAL INFORMATION:
; APPLICANT: The University of Sydney
; TITLE OF INVENTION: Protease Susceptibility
; FILE REFERENCE: Weiss Protease
; CURRENT APPLICATION NUMBER: US/09/743,818
; CURRENT FILING DATE: 2001-01-15
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 698
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-743-818-5

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Query Match 70.3%; Score 710; DB 21; Length 698;
Best Local Similarity 53.8%; Pred. No. 1.1e-48;
Matches 164; Conservative 6; Mismatches 25; Indels 110; Gaps 6;
QY 1 FPGFVGVGIPGVAVPGVGVGVGIPGIVGVGVGIPGIVGVGAGVPGGAV 60
Db 378 FPGFVGVGIPGVAVPGVGVGVGIPGIVGVGVGIPGIVGVGAGVPGGAV 437
QY 61 AAKAAQFGLVPGVAVPGVAVPGVGLAPGVAVPGVAVPGVAVPGVAVPGVAV 120
Db 438 AAKAAQFGLVPGVAVPGVAVPGVGLAPGVAVPGVAVPGVAVPGVAVPGVAV 497
QY 121 QAA----- 123
Db 498 VAAAKSAKVAAKAQLRAAAGLGGAGIPGIVGVGVGPGIVGAGVPGGAV 557
QY 124 ----AAAKAAYGVGTP-----AAAAAAAAAKAAQFGLVP 154
Db 558 PGALAAAKAAYGAAVPGVGLGGALGGVGPVGGVGVGAGPAAAKAAAKAAQFGLV 617
QY 155 GVGAVPGV---APGVGVAVPGV-----GLAPGVGVAVP--GVGVAVP 191
Db 618 AAGLG-GLGVGGLGVPGVGGIGGIPPAAKAAKAYGAAGLGGVGLGGAGPPLGGV 676
QY 192 VGVAVP 196
Db 677 FGLSP 681

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## RESULT 15

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US-09-463-091-5
; Sequence 5, Application US/09463091
; GENERAL INFORMATION:
; APPLICANT: WEISS, ANTHONY S
; TITLE OF INVENTION: TROPOELASTIN DERIVATIVES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GRIFFITH HACK
; STREET: 168 WALKER STREET
; CITY: NORTH SYDNEY
; STATE: NEW SOUTH WALES
; COUNTRY: AUSTRALIA
; ZIP: 2060

```















```

Query Match          24.0%; Score 242; DB 1; Length 1755;
Best Local Similarity 37.9%; Pred.No. 0.29;
Matches 74; Conservative 1; Mismatches 112; Indels 8; Gaps 4;

QY      5   GVGVGGIPGVAGVPGVGVPG--VGGVPGVGTSPEAQAAAAAAKAAKYGVGTPTAAAAAKAA 62
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QY      63   AKAAQFGLVPGV---GVAPGVGVAPGVGVNAPGY--GLAPGVGVNAPGV-GVAPGVGVNAPAI 116
Db      1356 AGAAAAGAAAGAAAGAAAGGAGGAGAAAGGAAGGAGGAGAAAGAAAAGACCAAGAGAGAGA 1415

QY      117  GPPEQAARAAKAAKYGVGTPTAAAAAATAKAQFGILPVGVPAPGVGVNAPGVGVNAPGVGL 176
Db      1416 AAGAAAGAAAGAAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAGAGAA 1475

QY      177  APGVGVAPGVGVNAPG 191
Db      1476 GAAAGAAAGAAACAAG 1490

RESULT 14
PCT-US03-26780-3136
; Sequence 3136, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHOD
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3136
; LENGTH: 1350
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3136

Query Match          22.6%; Score 228; DB 1; Length 1350;
Best Local Similarity 34.6%; Pred.No. 0.63;
Matches 75; Conservative 1; Mismatches 121; Indels 20; Gaps 2;

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Db      399  GGGTGAGGAGGAGGAATGTGGTGCAGAGGAGGAGCGGTGGAGAGGTACTCATCGAGGA 458

QY      63   AKAAQFGLVPGVNVAP-----VGVNAPGVGVNAPGVNAPGVNAPGVNAPGV 104
Db      459  GGAGTCGAGGAGGAGGAGTGTTGGTCGAATGTAAGATAATGGAGGAGGAGGAGGAGGAGGAGTATG 518

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 10, 2003, 18:37:48 ; Search time 5.05714 Seconds  
(without alignments)  
978.887 Million cell updates/sec

Title: US-09-964-662-9  
Perfect score: 597  
Sequence: 1 PFGVGVGIPGVAGVPGVG.....GVAPGVAPGVGVAIPAIGP 117

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	597	100.0	117	4	US-09-340-736E-9 Sequence 9, Appli
2	597	100.0	118	4	US-09-340-736E-10 Sequence 10, Appl
3	597	100.0	199	4	US-09-340-736E-11 Sequence 11, Appl
4	597	100.0	200	4	US-09-340-736E-2 Sequence 2, Appli
5	597	100.0	201	2	US-08-911-364-2 Sequence 2, Appli
6	597	100.0	731	4	US-09-340-736E-1 Sequence 1, Appli
7	587	98.3	731	2	US-08-911-364-1 Sequence 1, Appli
8	587	98.3	733	3	US-08-464-700-2 Sequence 2, Appli
9	549.5	92.0	792	2	US-08-678-039A-40 Sequence 40, Appl
10	336	56.3	745	4	US-09-841-334A-38 Sequence 38, Appl
11	333.5	55.9	148	4	US-09-841-334A-14 Sequence 14, Appl
12	280.5	47.0	1189	1	US-08-806-029-33 Sequence 33, Appl
13	255.5	42.8	988	1	US-08-212-237-5 Sequence 5, Appli
14	255.5	42.8	988	4	US-08-806-029-28 Sequence 28, Appl
15	255.5	42.8	988	5	PCT-US95-02772-5 Sequence 5, Appli
16	252	42.2	972	1	US-08-212-237-7 Sequence 7, Appli
17	252	42.2	972	4	US-08-806-029-30 Sequence 30, Appl
18	252	42.2	972	5	PCT-US95-02772-7 Sequence 7, Appli
19	252	42.2	1024	1	US-08-212-237-8 Sequence 8, Appli
20	252	42.2	1024	4	US-08-806-029-31 Sequence 31, Appl
21	252	42.2	1024	5	PCT-US95-02772-8 Sequence 8, Appli
22	252	42.2	1040	4	US-08-806-029-32 Sequence 32, Appl
23	251.5	42.1	832	1	US-08-212-237-4 Sequence 4, Appli
24	251.5	42.1	832	4	US-08-806-029-27 Sequence 27, Appl
25	251.5	42.1	832	5	PCT-US95-02772-4 Sequence 4, Appli
26	250.5	42.0	1056	1	US-08-212-237-6 Sequence 6, Appli
27	250.5	42.0	1056	4	US-08-806-029-29 Sequence 29, Appl

28	250.5	42.0	1056	5	PCT-US95-02772-6 Sequence 6, Appli
29	248.5	41.8	936	1	US-08-212-237-3 Sequence 3, Appli
30	248.5	41.6	936	4	US-08-806-029-26 Sequence 26, Appli
31	248.5	41.6	936	5	PCT-US95-02772-3 Sequence 3, Appli
32	245	41.0	1413	1	US-08-175-155-39 Sequence 39, Appli
33	245	41.0	1413	2	US-08-707-237A-45 Sequence 45, Appli
34	245	41.0	1464	1	US-08-477-509B-74 Sequence 74, Appli
35	245	41.0	1464	3	US-08-482-085B-74 Sequence 74, Appli
36	245	41.0	1465	4	US-09-444-791A-74 Sequence 74, Appli
37	244.5	41.0	953	4	US-08-806-029-14 Sequence 14, Appli
38	239	40.0	281	1	US-08-397-633A-75 Sequence 75, Appli
39	239	40.0	287	1	US-08-397-633A-76 Sequence 76, Appli
40	239	40.0	877	1	US-08-397-633A-54 Sequence 54, Appli
41	237	39.7	889	4	US-08-806-029-19 Sequence 19, Appli
42	237	39.7	2257	1	US-08-175-155-47 Sequence 47, Appli
43	237	39.7	2257	1	US-08-477-509B-82 Sequence 82, Appli
44	237	39.7	2257	2	US-08-707-237A-53 Sequence 53, Appli
45	237	39.7	2257	3	US-08-482-085B-82 Sequence 82, Appli

ALIGNMENTS

RESULT 1  
US-09-340-736E-9  
; Sequence 9, Application US/09340736E  
; Patent No. 6489446  
; GENERAL INFORMATION:  
; APPLICANT: ROTHSTEIN, ASER  
; APPLICANT: ROTHSTEIN, STEVEN  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN  
; TITLE OF INVENTION: AND OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0110  
; CURRENT APPLICATION NUMBER: US/09/340,736E  
; CURRENT FILING DATE: 1999-06-29  
; PRIOR APPLICATION NUMBER: 08/911,364  
; PRIOR FILING DATE: 1997-08-07  
; PRIOR APPLICATION NUMBER: 60/023,552  
; PRIOR FILING DATE: 1996-08-07  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 9  
; LENGTH: 117  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: MFU-3 polypeptide  
US-09-340-736E-9

Query Match 100.0%; Score 597; DB 4; Length 117;  
Best Local Similarity 100.0%; Pred. No. 1.1e-48;  
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 PFGVGVGIPGVAGVPGVGISPEAQAARAAAKAKYGVGPAAAAKA 60  
Db 1 PFGVGVGIPGVAGVPGVGISPEAQAARAAAKAKYGVGPAAAAKA 60  
QY 61 AAKAAQFGLVPGVAGVAPGVAGVGLAPGVAGVAPGVAGVAPAI GP 117  
Db 61 AAKAAQFGLVPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAPAI GP 117

RESULT 2  
US-09-340-736E-10  
; Sequence 10, Application US/09340736E  
; Patent No. 6489446  
; GENERAL INFORMATION:  
; APPLICANT: ROTHSTEIN, ASER  
; APPLICANT: KEELEY, FRED  
; APPLICANT: ROTHSTEIN, STEVEN  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN

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RESULT 4
US-09-340-736B-2
; Sequence 2, Application US/09340736E
; Patent No. 648946
; GENERAL INFORMATION:
; APPLICANT: ROTHSTEIN, ASER
; APPLICANT: KEELEY, FRED
; APPLICANT: ROTHSTEIN, STEVEN
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN
; TITLE OF INVENTION: AND OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0110
; CURRENT APPLICATION NUMBER: US/09/340,736E
; CURRENT FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 08/911,364
; PRIOR FILING DATE: 1997-08-07
; PRIOR APPLICATION NUMBER: 60/023,552
; PRIOR FILING DATE: 1996-08-07
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: MFU-1 polypeptide
US-09-340-736B-2

Query Match      100.0%; Score 597; DB 4; Length 200;
Best Local Similarity 100.0%; Pred. No. 1.9e-48;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      2 PGRGVGGIPGVAGVPGVGVPGVGVPGVGVGISPEAQAATAAKAAYGVGTPAAAAKA 61

QY      61 AAKAAQFGLVPGVGVAPGVGVGVPAGVGVGLAPGVGVGVPAGVGVGVPAGVGVPAIGP 117
Db      62 AAKAAQFGLVPGVGVAPGVGVGVPAGVGVGLAPGVGVGVPAGVGVGVPAGVGVPAIGP 118

RESULT 5
US-08-911-364-2
; Sequence 2, Application US/08911364
; Patent No. 5969106
; GENERAL INFORMATION:
; APPLICANT: ROTHSTEIN, Aser
; APPLICANT: KEELEY, Fred W.
; APPLICANT: ROTHSTEIN, Steven J.
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN
; TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,364
; FILING DATE: 07-AUG-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,552
; FILING DATE: 07-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bent, Stephen A.

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RESULT 11  
US-09-841-334A-14  
; Sequence 14, Application US/09841334A  
; Patent No. 6533819  
; GENERAL INFORMATION:  
; APPLICANT: Urry, Dan  
; APPLICANT: Parker, Timothy  
; APPLICANT: Glazer, Paul  
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration  
; FILE REFERENCE: BERL-020/0505  
; CURRENT APPLICATION NUMBER: US/09/841.334A  
; CURRENT FILING DATE: 2001-04-23  
; PRIOR APPLICATION NUMBER: US 09/258,723  
; PRIOR FILING DATE: 1999-02-26  
; PRIOR APPLICATION NUMBER: US 60/087155  
; PRIOR FILING DATE: 1998-05-29  
; PRIOR APPLICATION NUMBER: US 60/076297  
; PRIOR FILING DATE: 1998-02-27  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 14  
; LENGTH: 148  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)-(148)  
; OTHER INFORMATION: Synthetic  
US-09-841-334A-14

Query Match 55.9%; Score 333.5; DB 4; Length 148;  
Best Local Similarity 59.7%; Pred. No. 3.4e-24;  
Matches 74; Conservative 5; Mismatches 10; Indels 35; Gaps 5;  
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Db 5 PGVGVPVGVPVG---GVPGVGVPVGVPVGVPVGVPVGVPVGVPVGVPVGVPVG 49  
QY 53 PAAAAAANKAAQAQGLVPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGV 112  
Db 50 PGV-----GVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGV 97  
QY 113 PAIG 116  
Db 98 PGVG 101

RESULT 12  
US-08-806-029-33  
; Sequence 33, Application US/08806029  
; Patent No. 6380154  
; GENERAL INFORMATION:  
; APPLICANT: Cappello, Joseph  
; APPLICANT: Stedronsky, Erwin R.  
; TITLE OF INVENTION: Synthetic Proteins for in vivo Drug  
; TITLE OF INVENTION: Delivery and Tissue Augmentation  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/806,029  
; FILING DATE: 24-FEB-1997

CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; FILING DATE: 11-MAR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Trecartin, Richard F.  
; REGISTRATION NUMBER: 31,801  
; REFERENCE/DOCKET NUMBER: A-58847-2/RFT/MTK  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; INFORMATION FOR SEQ ID NO: 33:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1169 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: unknown  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
US-08-806-029-33

Query Match 47.0%; Score 280.5; DB 4; Length 1169;  
Best Local Similarity 34.8%; Pred. No. 2.4e-18;  
Matches 72; Conservative 6; Mismatches 38; Indels 91; Gaps 3;  
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QY 90 GVLAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGV 116  
Db 311 GVGVPGV 337

RESULT 13  
US-08-212-237-5  
; Sequence 5, Application US/08212237  
; Patent No. 5606019  
; GENERAL INFORMATION:  
; APPLICANT: Cappello, Joseph  
; TITLE OF INVENTION: Synthetic Proteins As Implants  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/212,237  
; FILING DATE: 11-MAR-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rowland, Bertam I  
; REGISTRATION NUMBER: 20,015  
; REFERENCE/DOCKET NUMBER: A-58847/BIR  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-781-1989  
; TELEFAX: 415-398-3249  
; INFORMATION FOR SEQ ID NO: 5:



Result No.	Query			ID	Description
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4	597	100.0	200	12	US-09-964-662-2
5	597	100.0	731	12	US-09-964-663-1
6	574	96.1	730	11	US-09-961-403-8
7	336	56.3	745	9	US-09-837-969A-38
8	336	56.3	745	10	US-09-841-321A-38
9	333.5	55.9	118	9	US-09-837-969A-14
10	333.5	55.9	148	10	US-09-841-321A-14
11	245	41.0	1465	15	US-10-096-986-74
12	237	39.7	2257	15	US-10-096-986-82
13	234.5	39.3	2055	15	US-10-096-986-81
14	234	38.2	378	15	US-10-117-931-36
15	234	39.2	1002	15	US-10-117-931-25
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					Sequence 10, Appl
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					Sequence 1, Appli
					Sequence 8, Appli
					Sequence 38, Appl
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					Sequence 74, Appl
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					Sequence 25, Appl
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/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: PEPTIDE
/ LOCATION: (1)..(148)
/ OTHER INFORMATION: Synthetic
US-09-837-969A-14

Query Match          55.9%; Score 333.5; DB 9; Length 148;
Best Local Similarity 59.7%; Pred. No. 6.5e-20;
Matches 74; Conservative 5; Mismatches 10; Indels 35; Gaps 5;

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Db 5 PGVGPVGVPVG-GVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 49
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QY 53 PAAAAAKAAKAAQGLVPGVGVAPGVAGVPGVGVAPGVGLAPGVGVAPGVGVAPGVGVA 112
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RESULT 10
US-09-841-321A-14
/ Sequence 14, Application US/09841321A
/ Patent No. US20020116069A1
/ GENERAL INFORMATION:
/ APPLICANT: Urry, Dan
/ TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
/ FILE REFERENCE: BERL-020/04US
/ CURRENT APPLICATION NUMBER: US/09/841.321A
/ CURRENT FILING DATE: 2001-04-30
/ PRIOR APPLICATION NUMBER: US 09/258,723
/ PRIOR FILING DATE: 1999-02-26
/ PRIOR APPLICATION NUMBER: US 60/087155
/ PRIOR FILING DATE: 1998-05-29
/ PRIOR APPLICATION NUMBER: US 60/076297
/ PRIOR FILING DATE: 1998-02-27
/ NUMBER OF SEQ ID NOS: 65
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 14
/ LENGTH: 148
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: PEPTIDE
/ LOCATION: (1)..(148)
/ OTHER INFORMATION: Synthetic
US-09-841-321A-14

Query Match          55.9%; Score 333.5; DB 10; Length 148;
Best Local Similarity 59.7%; Pred. No. 6.5e-20;
Matches 74; Conservative 5; Mismatches 10; Indels 35; Gaps 5;

QY 1 PGFGVGGTIPGVAGVPGVG-----GVPFGV-----GVPVGISPEAQAARAAKAAKYGVT 52
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Db 5 PGVGPVGVPVG-GVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 49
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QY 53 PAAAAAKAAKAAQGLVPGVGVAPGVAGVPGVGVAPGVGLAPGVGVAPGVGVAPGVGVA 112
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Db 98 PGVG 101

RESULT 11
US-10-096-986-74
/ Sequence 74, Application US/10096986
/ Publication No. US20030083454A1

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/ GENERAL INFORMATION:
/ APPLICANT: Ferrari, Franco A.
/ Richardson, Charles
/ Chambers, James
/ Causey, Stuart
/ Pollock, Thomas J.
/ Cappello, Joseph
/ Crissman, John W.
/ TITLE OF INVENTION: No. US20030083464A1 Peptides Comprising Repetitive
/ Units of Amino Acids and DNA Sequences Encoding the San
/ NUMBER OF SEQUENCES: 117
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr Hohbach Test Albritton & Herbert LLP
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: US
/ ZIP: 94111
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/096.986
/ FILING DATE: 12-Mar-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/444,791
/ FILING DATE: 22-No. US20030083464A1-1999
/ APPLICATION NUMBER: US 08/482,085
/ FILING DATE: 07-JUN-1995
/ APPLICATION NUMBER: US 08/175,155
/ FILING DATE: 29-DEC-1993
/ APPLICATION NUMBER: US 08/053,049
/ FILING DATE: 22-APR-1993
/ APPLICATION NUMBER: US 07/114,618
/ FILING DATE: 29-OCT-1987
/ APPLICATION NUMBER: US 06/927,258
/ FILING DATE: 04-NOV-1986
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Trecartin, Richard F.
/ REGISTRATION NUMBER: 31,801
/ REFERENCE/DOCKET NUMBER: A-55186-11/RET/BTC
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415-781-1989
/ TELEFAX: 415-398-3249
/ INFORMATION FOR SEQ ID NO: 74:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1465 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 74:
US-10-096-986-74

Query Match          41.0%; Score 245; DB 15; Length 1465;
Best Local Similarity 55.0%; Pred. No. 7.5e-12;
Matches 72; Conservative 4; Mismatches 17; Indels 38; Gaps 13;

QY 1 PGFGVGGV-----GIPGAGVPGVG-----GVPFGV-----GVPVGISPEAQAARAAKAA 45
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Db 77 PGAGSGAGAGAGGGVPGVG-GVPGVGPVGVPVGVPVGVPVGVPVGVPVGVPVGVP 124
   ||| | :||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 46 AKYGVGTPTAAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAAKAA 105
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QY 106 APGVGVAPAG 116
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RESULT 12
US-10-096-986-82
; Sequence 82, Application US/10096986
; Publication No. US20030083464A1
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; Richardson, Charles
; Chambers, James
; Causey, Stuart
; Pollock, Thomas J.
; Cappello, Joseph
; Crissman, John W.
; TITLE OF INVENTION: No. US20030083464A1 Peptides Comprising Repetitive
; Units of Amino Acids and DNA Sequences Encoding the Same
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr Hohbach Test Albritton & Herbert LLP
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/096.986
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/444,791
; FILING DATE: 22-No. US20030083464A1-1999
; APPLICATION NUMBER: US 08/482,085
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/175,155
; FILING DATE: 29-DEC-1993
; APPLICATION NUMBER: US 08/053,049
; FILING DATE: 22-APR-1993
; APPLICATION NUMBER: US 07/114,618
; FILING DATE: 29-OCT-1987
; APPLICATION NUMBER: US 06/927,258
; FILING DATE: 04-NOV-1986
; ATTORNEY/AGENT INFORMATION:
; NAME: Irecartin, Richard F.
; REGISTRATION NUMBER: 31,801
; REFERENCE/DOCKET NUMBER: A-55186-11/RFT/BTC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 82:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2257 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 82:
US-10-096-986-82
Query Match 39.7%; Score 237; DB 15; Length 2257;
Best Local Similarity 52.8%; Pred. No. 5e-11;
Matches 76; Conservative 6; Mismatches 24; Indels 38; Gaps 13;
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Db 46 GAGSGVGVPVPGVG-GVPGVPGVGVPVPGVG-PGAGSGAGAGSGA 103
Qy 46 -----AKGVGTPTAAAKAAAKAQAQGLVPGVAPGVAGVAGVAGV 92
Db 104 GAGSGAGAGSGAGAGSGAGAGSGAGSGVPGVPGVG-PGVGV-PGVGV-PGVG 160

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Qy 93 LAPGVGVPVPGVAPGVAGVAPGA 116
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US-10-096-986-81
; Sequence 81, Application US/10096986
; Publication No. US20030083464A1
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; Richardson, Charles
; Chambers, James
; Causey, Stuart
; Pollock, Thomas J.
; Cappello, Joseph
; Crissman, John W.
; TITLE OF INVENTION: No. US20030083464A1 Peptides Comprising Repetitive
; Units of Amino Acids and DNA Sequences Encoding the Same
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr Hohbach Test Albritton & Herbert LLP
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/096.986
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/444,791
; FILING DATE: 22-No. US20030083464A1-1999
; APPLICATION NUMBER: US 08/482,085
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/175,155
; FILING DATE: 29-DEC-1993
; APPLICATION NUMBER: US 08/053,049
; FILING DATE: 22-APR-1993
; APPLICATION NUMBER: US 07/114,618
; FILING DATE: 29-OCT-1987
; APPLICATION NUMBER: US 06/927,258
; FILING DATE: 04-NOV-1986
; ATTORNEY/AGENT INFORMATION:
; NAME: Irecartin, Richard F.
; REGISTRATION NUMBER: 31,801
; REFERENCE/DOCKET NUMBER: A-55186-11/RFT/BTC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 81:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2055 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 81:
US-10-096-986-81
Query Match 39.3%; Score 234.5; DB 15; Length 2055;
Best Local Similarity 46.7%; Pred. No. 7.2e-11;
Matches 78; Conservative 6; Mismatches 22; Indels 61; Gaps 14;
Qy 2 GFGVGVG----GIPGVAGVPGVG----GVPGVG----GVPGVGISPEACA-----A 40
Db 104 GAGSGAGAGSGAGAGSGAGAGSGAGSGVPGVPGVG-PGVGV-PGVGV-PGVG 160

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 10, 2003, 18:38:08 ; Search time 85.5429 Seconds  
(without alignments)  
1244.528 Million cell updates/sec

Title: US-09-964-662-9  
Perfect score: 597  
Sequence: 1 PGFGVGGEIPGVAGPGVG.....GVAPGVGVAGVGVARAIGP 117

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 5728757 seqs, 909918778 residues

Total number of hits satisfying chosen parameters: 5728757

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*  
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21: /cgn2\_6/ptodata/1/paa/US097A\_COMB.pep.\*  
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27: /cgn2\_6/ptodata/1/paa/US101\_COMB.pep.\*  
28: /cgn2\_6/ptodata/1/paa/US102\_COMB.pep.\*  
29: /cgn2\_6/ptodata/1/paa/US103\_COMB.pep.\*  
30: /cgn2\_6/ptodata/1/paa/US104\_COMB.pep.\*  
31: /cgn2\_6/ptodata/1/paa/US106\_COMB.pep.\*  
32: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES			
Result	Query	%	
No.	Score	Match Length	ID Description
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1	597	100.0	117 25 US-09-964-662-9 Sequence 9, Appli

2	597	100.0	118	25	US-09-964-662-10	Sequence 10, Appl
3	597	100.0	139	25	US-09-964-662-11	Sequence 11, Appl
4	597	100.0	200	25	US-09-964-662-2	Sequence 1, Appl
5	597	100.0	731	25	US-09-964-662-1	Sequence 1, Appl
6	593	99.3	702	32	US-60-453-050-10290	Sequence 10290, A
7	593	99.3	702	32	US-60-453-135-10290	Sequence 10290, A
8	593	99.3	702	32	US-60-456-412-10290	Sequence 10290, A
9	593	99.3	737	32	US-60-453-050-10289	Sequence 10289, A
10	593	99.3	737	32	US-60-453-135-10289	Sequence 10289, A
11	593	99.3	737	32	US-60-466-412-10289	Sequence 10289, A
12	587	98.3	515	21	US-09-743-818-71	Sequence 71, Appl
13	587	98.3	571	21	US-09-743-818-7	Sequence 7, Appl
14	587	98.3	660	18	US-09-463-091-5	Sequence 5, Appl
15	587	98.3	660	21	US-09-743-818-6	Sequence 6, Appl
16	587	98.3	698	18	US-09-463-091-3	Sequence 3, Appl
17	587	98.3	698	21	US-09-743-818-5	Sequence 5, Appl
18	587	98.3	711	28	US-10-210-172-38	Sequence 38, Appl
19	587	98.3	731	21	US-09-743-818-4	Sequence 4, Appl
20	587	98.3	733	18	US-09-463-091-2	Sequence 2, Appl
21	587	98.3	757	1	PCT-US03-09391-2	Sequence 2, Appl
22	586	98.2	772	22	US-09-760-494-217	Sequence 217, App
23	586	98.2	772	28	US-10-223-026-217	Sequence 217, App
24	580	97.2	712	19	US-09-554-996-3	Sequence 3, Appl
25	580	97.2	730	19	US-09-554-996-8	Sequence 8, Appl
26	574	96.1	692	28	US-10-210-172-40	Sequence 40, Appl
27	574	96.1	730	25	US-09-961-403-8	Sequence 8, Appl
28	484.5	81.2	472	20	US-09-611-523-212	Sequence 212, App
29	484.5	81.2	472	29	US-10-305-278-212	Sequence 212, App
30	471	78.9	663	27	US-10-108-260A-2477	Sequence 2477, Ap
31	434.5	72.8	617	27	US-10-104-047-2915	Sequence 2915, Ap
32	336	56.3	745	1	PCT-US99-04440-38	Sequence 38, Appl
33	336	56.3	745	16	US-09-258-723-38	Sequence 38, Appl
34	336	56.3	745	23	US-09-837-969A-38	Sequence 38, Appl
35	336	56.3	745	23	US-09-841-321A-38	Sequence 14, Appl
36	333.5	55.9	148	1	PCT-US99-04440-14	Sequence 14, Appl
37	333.5	55.9	148	16	US-09-258-723-14	Sequence 14, Appl
38	333.5	55.9	148	23	US-09-837-969A-14	Sequence 14, Appl
39	333.5	55.9	148	23	US-09-841-321A-14	Sequence 14, Appl
40	316	52.9	119	23	US-09-807-742-15	Sequence 15, Appl
41	281.5	47.2	864	28	US-10-219-051B-2524	Sequence 2524, Ap
42	245	41.0	1413	11	US-08-707-237-45	Sequence 45, Appl
43	245	41.0	1464	8	US-08-477-509-74	Sequence 74, Appl
44	245	41.0	1464	8	US-08-482-085-74	Sequence 74, Appl
45	245	41.0	1465	26	US-10-096-986-74	Sequence 74, Appl

ALIGNMENTS

RESULT 1  
; Sequence 9, Application US/09964662  
; GENERAL INFORMATION:  
; APPLICANT: PROTEIN SPECIALTIES LTD.  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0112  
; CURRENT APPLICATION NUMBER: US/09/964,662  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn ver. 2.1  
; SEQ ID NO 9  
; LENGTH: 117  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-964-662-9

Query Match 100.0%; Score 597; DB 25; Length 117;  
Best Local Similarity 100.0%; Pred. No. 2.7e-43;  
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 PGGVGGGIPGVAGVPGVGVPGVGVGSPGAQAAAAAAXKAYGVGTAAAAA 60
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Db 1 PGGVGGGIPGVAGVPGVGVPGVGVGSPGAQAAAAAAXKAYGVGTAAAAA 60
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QY 61 AAKAAGFLVPGVAGVPGVAGVPGVGLAPGVLAPGVAGVPGVGVAPAI 117
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RESULT 2
US-09-964-662-10
; Sequence 10, Application US/09964662
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-964-662-10

Query Match 100.0%; Score 597; DB 25; Length 118;
Best Local Similarity 100.0%; Pred. No. 2.7e-43;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 AAKAAGFLVPGVAGVPGVAGVPGVGLAPGVLAPGVAGVPGVGVAPAI 117
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Db 62 AAKAAGFLVPGVAGVPGVAGVPGVGLAPGVLAPGVAGVPGVGVAPAI 118
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RESULT 3
US-09-964-662-11
; Sequence 11, Application US/09964662
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 199
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-964-662-11

Query Match 100.0%; Score 597; DB 25; Length 199;
Best Local Similarity 100.0%; Pred. No. 4.8e-43;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4
US-09-964-662-2
; Sequence 2, Application US/09964662
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-964-662-2

Query Match 100.0%; Score 597; DB 25; Length 200;
Best Local Similarity 100.0%; Pred. No. 4.8e-43;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2 PGGVGGGIPGVAGVPGVGVPGVGVGSPGAQAAAAAAXKAYGVGTAAAAA 61
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QY 61 AAKAAGFLVPGVAGVPGVAGVPGVGLAPGVLAPGVAGVPGVGVAPAI 117
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Db 62 AAKAAGFLVPGVAGVPGVAGVPGVGLAPGVLAPGVAGVPGVGVAPAI 118
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RESULT 5
US-09-964-662-1
; Sequence 1, Application US/09964662
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-964-662-1

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Best Local Similarity 100.0%; Pred. No. 2e-42;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 AAKAAGFLVPGVAGVPGVAGVPGVGLAPGVLAPGVAGVPGVGVAPAI 117
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Db      439 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 495

RESULT 6
US-60-453-050-10290
; Sequence 10290, Application US/60453050
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: LUKE, May
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001457
; CURRENT APPLICATION NUMBER: US/60/453.050
; NUMBER OF SEQ ID NOS: 2003-03-10
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10290
; LENGTH: 702
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-050-10290

Query Match      99.3%; Score 593; DB 32; Length 702;
Best Local Similarity 99.1%; Pred. No. 4.2e-42;
Matches 116; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 60
        |||||||
Db      383 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 442

QY      61 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 117
        |||||||
Db      443 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 499

RESULT 7
US-60-453-135-10290
; Sequence 10290, Application US/60453135
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001456
; CURRENT APPLICATION NUMBER: US/60/453.135
; NUMBER OF SEQ ID NOS: 2003-03-10
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10290
; LENGTH: 702
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-135-10290

Query Match      99.3%; Score 593; DB 32; Length 702;
Best Local Similarity 99.1%; Pred. No. 4.2e-42;
Matches 116; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 60
        |||||||
Db      383 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 442

QY      61 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 117
        |||||||
Db      443 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 499

RESULT 8
US-60-466-412-10290
; Sequence 10290, Application US/60466412
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga

```

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; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001466
; CURRENT APPLICATION NUMBER: US/60/466.412
; CURRENT FILING DATE: 2003-04-30
; NUMBER OF SEQ ID NOS: 429241
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10290
; LENGTH: 702
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-466-412-10290

Query Match      99.3%; Score 593; DB 32; Length 702;
Best Local Similarity 99.1%; Pred. No. 4.2e-42;
Matches 116; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 60
        |||||||
Db      383 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 442

QY      61 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 117
        |||||||
Db      443 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 499

RESULT 9
US-60-453-050-10289
; Sequence 10289, Application US/60453050
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: LUKE, May
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001457
; CURRENT APPLICATION NUMBER: US/60/453.050
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-050-10289

Query Match      99.3%; Score 593; DB 32; Length 757;
Best Local Similarity 99.1%; Pred. No. 4.6e-42;
Matches 116; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 60
        |||||||
Db      405 PGFGVGGGIPGVAGVPGVGGVPGVGGVSPQAQAAAAKAAKYGVTGTPAAAAKA 464

QY      61 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 117
        |||||||
Db      465 AAKAAQFGLVPGVAGVAPGVAGVAGVGLAPGVAGVAPGVAGVAPGIPAIGP 521

RESULT 10
US-60-453-135-10289
; Sequence 10289, Application US/60453135
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001456
; CURRENT APPLICATION NUMBER: US/60/453.135
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757

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;
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-463-091-5

Query Match          98.3%; Score 587; DB 18; Length 660;
Best Local Similarity 98.3%; Pred No. 1.3e-41;
Matches 115; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PFGVGVGIGIPGVAGVPGVGGVPGVGGVSPGAQAAAAAKAAYGVGTPTAAAAAKA 60
    |||||
Db 342 PFGVGVGIGIPGVAGVPGVGGVPGVGGVSPGAQAAAAAKAAYGVGTPTAAAAAKA 401
    |||||

QY 61 AAKAAQGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGPAIGP 117
    |||||
Db 402 AAKAAQGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGPAIGP 458
    |||||
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RESULT 15
US-09-743-818-6
; Sequence 6, Application US/09743818
; GENERAL INFORMATION:
; APPLICANT: The University of Sydney
; TITLE OF INVENTION: Protease Susceptibility
; FILE REFERENCE: Weiss Protease
; CURRENT APPLICATION NUMBER: US/09/743,818
; CURRENT FILING DATE: 2001-01-15
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-818-6
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Query Match          98.3%; Score 587; DB 21; Length 660;
Best Local Similarity 98.3%; Pred No. 1.3e-41;
Matches 115; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PFGVGVGIGIPGVAGVPGVGGVPGVGGVSPGAQAAAAAKAAYGVGTPTAAAAAKA 60
    |||||
Db 342 PFGVGVGIGIPGVAGVPGVGGVPGVGGVSPGAQAAAAAKAAYGVGTPTAAAAAKA 401
    |||||

QY 61 AAKAAQGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGPAIGP 117
    |||||
Db 402 AAKAAQGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGPAIGP 458
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Search completed: October 10, 2003, 18:59:56  
Job time : 86.5429 secs

Result No.	Score	Query		ID	Description
		Match	Length		
1	593	99.3	702	US-60-487-610-1797	Sequence 1797, Ap
2	593	99.3	757	US-60-487-610-1796	Sequence 1796, Ap
3	587	98.3	711	PCT-US02-24483-38	Sequence 38, Appl
4	574	96.1	692	PCT-US02-24483-40	Sequence 40, Appl
5	316	52.9	119	US-09-807-7424-15	Sequence 15, Appl
6	230	38.5	1250	US-09-807-7424-1	Sequence 1, Appl
7	191	32.0	252	1 PCT-US03-26780-3569	Sequence 3569, Ap
8	191	32.0	279	1 PCT-US03-26780-3570	Sequence 3570, Ap
9	191	32.0	366	1 PCT-US03-26780-3572	Sequence 3572, Ap
10	191	32.0	384	1 PCT-US03-26780-3573	Sequence 3573, Ap
11	191	32.0	906	1 PCT-US03-26780-3571	Sequence 3571, Ap
12	179	30.0	1386	1 PCT-US03-19153-284	Sequence 284, App
13	160.5	26.9	951	1 PCT-US03-26780-3411	Sequence 3411, Ap
14	158	26.5	762	1 PCT-US03-26780-3010	Sequence 3010, Ap
15	158	26.5	885	1 PCT-US03-26780-3009	Sequence 3009, Ap
16	154.5	25.9	889	1 PCT-US03-26780-3646	Sequence 3646, Ap
17	151	25.3	1755	1 PCT-US03-26780-3444	Sequence 3444, Ap
18	150.5	25.2	534	1 PCT-US03-26780-3162	Sequence 3162, Ap
19	150.5	25.2	537	1 PCT-US03-26780-3160	Sequence 3160, Ap
20	150.5	25.2	594	1 PCT-US03-26780-3161	Sequence 3161, Ap
21	149	25.0	1350	1 PCT-US03-26780-3136	Sequence 3136, Ap
22	149	25.0	1719	1 PCT-US03-26780-3135	Sequence 3135, Ap
23	141	23.6	222	1 PCT-US03-26780-3427	Sequence 3427, Ap
24	141	23.6	240	1 PCT-US03-26780-3432	Sequence 3432, Ap
25	141	23.6	261	1 PCT-US03-26780-3459	Sequence 3459, Ap
26	140	23.5	396	1 PCT-US03-26780-3578	Sequence 3578, Ap

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-487-610-1796

Query Match
Best Local Similarity 99.1%; Score 593; DB 7; Length 757;
Matches 116; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 PGFGVGGIPGVAGVPGVGVGGVPGVGVGSPGAQAAAAAKAAKYGVTGTPAAAAKA 60
Db 405 PGFGVGGIPGVAGVPGVGVGGVPGVGVGSPGAQAAAAAKAAKYGVTGTPAAAAKA 464

QY 61 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVGVAGVPGVGVAFAGP 117
Db 465 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVGVAGVPGVGVAFAGP 521

RESULT 3
PCT-US02-24483-38
; Sequence 38, Application PC/TUS0224483
; GENERAL INFORMATION:
; APPLICANT: Curagen Corp. et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-416A-061
; CURRENT APPLICATION NUMBER: PCT/US02/24483
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/309,501
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/323,994
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/373,814
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/310,291
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/310,951
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/310,544
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: 60/311,292
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/311,979
; PRIOR FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/313,201
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/312,892
; PRIOR FILING DATE: 2001-08-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 38
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-24483-38

Query Match
Best Local Similarity 98.3%; Score 587; DB 1; Length 711;
Matches 115; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PGFGVGGIPGVAGVPGVGVGGVPGVGVGSPGAQAAAAAKAAKYGVTGTPAAAAKA 60
Db 410 PGFGVGGIPGVAGVPGVGVGGVPGVGVGSPGAQAAAAAKAAKYGVTGTPAAAAKA 469

QY 61 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVGVAGVPGVGVAFAGP 117
Db 470 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVGVAGVPGVGVAFAGP 526

RESULT 4
PCT-US02-24483-40
; Sequence 40, Application PC/TUS0224483
; GENERAL INFORMATION:
; APPLICANT: Curagen Corp. et al.
```

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; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND ME
; FILE REFERENCE: 21402-416A-061
; CURRENT APPLICATION NUMBER: PCT/US02/24483
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/309,501
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/323,994
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/373,814
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/310,291
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/310,951
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/310,544
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: 60/311,292
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/311,979
; PRIOR FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/313,201
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/312,892
; PRIOR FILING DATE: 2001-08-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 40
; LENGTH: 692
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-24483-40

Query Match
Best Local Similarity 96.1%; Score 574; DB 1; Length 692;
Matches 115; Conservative 0; Mismatches 2; Indels 6; Gaps 1;

QY 1 PGFGVGGIPGVAGVPGVGVGGVPGVGVGSPGAQAAAAAKAAKYGVTGTPAAAAKA 60
Db 367 PGFGVGGIPGVAGVPGVGVGGVPGVGVGSPGAQAAAAAKAAKYGVTGTPAAAAKA 426

QY 61 AAKAAQF-----GLVPGVGVAGVPGVGVAGVPGVGLAGVGVAGVPGVGVAFAGP 114
Db 427 AAKAAQFALLNLGLVPGVGVAGVPGVGVAGVPGVGLAGVGVAGVPGVGVAFAGP 486

QY 115 IGP 117
Db 487 IGP 489

RESULT 5
US-09-807-742A-15
; Sequence 15, Application US/09807742A
; GENERAL INFORMATION:
; APPLICANT: DANIELL, HENRY
; TITLE OF INVENTION: PRODUCTION OF PHARMACEUTICAL PROTEINS IN TRANSGENIC
; FILE REFERENCE: 1465-PCT-US-00
; CURRENT APPLICATION NUMBER: US/09/807,742A
; CURRENT FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: PCT/US01/06288
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-807-742A-15

Query Match
Best Local Similarity 52.9%; Score 316; DB 5; Length 119;
Matches 62; Conservative 11; Mismatches 30; Indels 16; Gaps 3;
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Matches 47; Conservative 1; Mismatches 63; Indels 0; Gaps 0;
QY 6 GVGIPGVAGVPGVGVPGVCGVSPQAARAAAKAAKYGVGTPTAAAARAAKAA 65
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 66 QFGLVPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGVGVAPGVAPG 116
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 121 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 171

RESULT 9
PCT-US03-26780-3572
; Sequence 3572, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3572
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3572

Query Match 32.0%; Score 191; DB 1; Length 366;
Best Local Similarity 42.3%; Pred. No. 0.085;
Matches 47; Conservative 1; Mismatches 63; Indels 0; Gaps 0;
QY 6 GVGIPGVAGVPGVGVPGVCGVSPQAARAAAKAAKYGVGTPTAAAARAAKAA 65
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 66 QFGLVPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGVGVAPGVAPG 116
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 121 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 171

RESULT 10
PCT-US03-26780-3573
; Sequence 3573, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3572
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3572

Query Match 32.0%; Score 191; DB 1; Length 366;
Best Local Similarity 42.3%; Pred. No. 0.085;
Matches 47; Conservative 1; Mismatches 63; Indels 0; Gaps 0;
QY 6 GVGIPGVAGVPGVGVPGVCGVSPQAARAAAKAAKYGVGTPTAAAARAAKAA 65
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 66 QFGLVPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGVGVAPGVAPG 116
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 121 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 171

RESULT 11
PCT-US03-26780-3571
; Sequence 3571, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3573
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3573

Query Match 32.0%; Score 191; DB 1; Length 384;
Best Local Similarity 42.3%; Pred. No. 0.087;
Matches 47; Conservative 1; Mismatches 63; Indels 0; Gaps 0;
QY 6 GVGIPGVAGVPGVGVPGVCGVSPQAARAAAKAAKYGVGTPTAAAARAAKAA 65
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 66 QFGLVPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGVGVAPGVAPG 116
    | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 121 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 171
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; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3571
; LENGTH: 906
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3571

Query Match          32.0%; Score 191; DB 1; Length 906;
Best Local Similarity 42.3%; Pred. No. 0.15; Indels 0; Gaps 0;
Matches 47; Conservative 1; Mismatches 63;

QY 6 GVGIPGVAGVPGVGVPGVGVGSPQAQAAAKAAKYGVGTPTAAAAAKAA 65
    | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
    | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 56 QFGLVPGVAGVPGVAGVPGVAPGVGLAPGVGVPAGVAGVAGVAPAG 116
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Db 121 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 171

RESULT 12
PCT-US03-19153-284
; Sequence 284, Application PC/TUS0319153
; GENERAL INFORMATION:
; APPLICANT: Diversa Corporation
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM AND
; TITLE OF INVENTION: METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 09010-290W01
; CURRENT APPLICATION NUMBER: PCT/US03/19153
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: US 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 378
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284
; LENGTH: 1386
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample.
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(28)
PCT-US03-19153-284

Query Match          30.0%; Score 179; DB 1; Length 1386;
Best Local Similarity 36.0%; Pred. No. 0.56; Indels 24; Gaps 2;
Matches 40; Conservative 2; Mismatches 45;

QY 6 GVGIPGVAGVPGVGVPGVGVGSPQAQAAAKAAKYGVGTPTAAAAAKAA 65
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Db 897 GSGTTPGSGTTPGSGTTPGSGTTPGSGTTPGSGTTPGSGTTPGSGT 934
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QY 66 QFGLVPGVAGVPGVAGVPGVAGVPGVAPGVGLAPGVGVPAGVAGVAPAG 116
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Db 935 --GTTTTPGSGTTPGSGTTPGSGTTPGSGTTPGSGTTPGSGTTPVK 983

RESULT 13
PCT-US03-26780-3411
; Sequence 3411, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
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; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3411
; LENGTH: 951
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3411

Query Match          26.9%; Score 160.5; DB 1; Length 951;
Best Local Similarity 39.7%; Pred. No. 2.2; Indels 17; Gaps 4;
Matches 50; Conservative 0; Mismatches 59;

QY 4 GVGVGIPGVAGVPGV----VGVPGVGVPGVGVGSPQAQAAAKAAKYGVGTPTAAAAAK 59
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Db 98 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 153
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QY 60 AAARAQFGLVPGVGVAGVGVVA----PGVGVAPGVGLAPGVG-----VAPGVGVAPGVG 110
    | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 154 AAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 213
    | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 111 VAPAG 116
    | | |
Db 214 GAAAG 219

RESULT 14
PCT-US03-26780-3010
; Sequence 3010, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,555
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
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RESULT 5
US-09-340-736E-9
; Sequence 9, Application US/09340736E
; Patent No. 6489446
; GENERAL INFORMATION:
; APPLICANT: ROTHSTEIN, ASER
; APPLICANT: KEELER, FRED
; APPLICANT: ROTHSTEIN, STEVEN
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODE
; TITLE OF INVENTION: AND OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0110
; CURRENT APPLICATION NUMBER: US/09/340,736E
; CURRENT FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 08/911,364
; PRIOR FILING DATE: 1997-08-07
; PRIOR APPLICATION NUMBER: 60/023,552
; PRIOR FILING DATE: 1996-08-07

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; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/212,237
; FILING DATE: 11-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Trecartin, Richard F.
; REGISTRATION NUMBER: 31,801
; REFERENCE/DOCKET NUMBER: A-58847-2/RFT/MTK
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1169 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-806-029-33

Query Match 46.5%; Score 280.5; DB 4; Length 1169;
Best Local Similarity 34.8%; Pred. No. 2.5e-18;
Matches 72; Conservative 6; Mismatches 38; Indels 91; Gaps 3;

QY      2   PGRGV--GVGGTIPGAVGPGVGGVGPGVGGISPEAQAAAA----- 43
         ||| || | || | || | || | || | || | :
Db       131 PGVGPVGPGVGPGVGGVGPGVGGVGPGAGAGSGAGSAGAGSAGAG 190
          -----
QY      44 ----- 43
Db       191 SGAGSGAGAGSGAGSGAGSGAGSGAGSGAGSGAGSGAGSGAAVTGCGDSP 250
          44 AKAKYGVTPTAAAANKAAXAAAO-----FGLVPGVGVPAGVGVPAGVGVP 90
           ||| || | || | || | || | || | || | || | || | || |
Db       251 ASRAGYGAGAGSGAGSGAGSGAGSGAGSGAGSGAGSGAGSGVGPGVGPGVGVP 310
           ||| ||| |||| |||| |||| |||| |||| |||| |||| |||| ||
QY      91   GVGLAPGVGVPAGVGVPAGVGVAPAIG 117
           |||: |||| |||| |||| |||| || |||| || |||| || |||| ||
Db       311 GVGVPGVGPGVGPGVGPGVGPGVGPGAG 337

RESULT 13
US-08-212-237-5
; Sequence 5, Application US/08212237
; Patent No. 5606019
; GENERAL INFORMATION:
; APPLICANT: Cappello, Joseph
; TITLE OF INVENTION: Synthetic Proteins As Implants
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohnbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/212,237
; FILING DATE: 11-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Rowland, Bertram I
; REGISTRATION NUMBER: 20,015
; REFERENCE/DOCKET NUMBER: A-58847/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 5:

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Result No.	Query			ID	Description
	Score	Match	Length		
1	603	100.0	118	US-09-364-6632-10	Sequence 10, Appl
2	603	100.0	200	US-09-364-6632-2	Sequence 2, Appl
3	603	100.0	731	US-09-364-6632-1	Sequence 1, Appl
4	597	99.0	117	US-09-364-6632-9	Sequence 9, Appl
5	597	99.0	199	US-09-364-6632-11	Sequence 11, Appl
6	580	96.2	730	US-09-361-403-8	Sequence 8, Appl
7	336	55.7	745	US-09-837-969A-38	Sequence 38, Appl
8	336	55.7	745	US-09-841-321A-38	Sequence 38, Appl
9	333.5	55.3	118	US-09-837-969A-14	Sequence 14, Appl
10	345.5	55.3	148	US-09-841-321A-14	Sequence 14, Appl
11	245	40.6	1465	US-10-096-988-74	Sequence 74, Appl
12	237	39.3	2257	US-10-096-988-82	Sequence 82, Appl
13	234.5	38.9	2055	US-10-096-988-81	Sequence 81, Appl
14	234	38.8	378	US-10-117-931-26	Sequence 26, Appl
15	234	38.8	1002	US-10-117-931-25	Sequence 25, Appl

```

; Publication No. US20030166846A1
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-964-662-2

Query Match      100.0%; Score 603; DB 12; Length 200;
Best Local Similarity 100.0%; Pred. No. 2.4e-41;
Matches 118; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  PFGFGVGVGGIPGVAGVPGVGVPGVGGVPGVGVGSPGAQAAAAAKAAKYGVGTAAAAAK 60
DB      1  PFGFGVGVGGIPGVAGVPGVGVPGVGGVPGVGVGSPGAQAAAAAKAAKYGVGTAAAAAK 60

QY      61  AAKAAQAQGLVPGVGVAGVPGVGVAGVPGVGLAPGVGVAPGVGVGVPAPAIGP 118
DB      61  AAKAAQAQGLVPGVGVAGVPGVGVAGVPGVGLAPGVGVAPGVGVGVPAPAIGP 118

RESULT 3
US-09-964-662-1
; Sequence 1, Application US/09964662
; Publication No. US20030166846A1
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-964-662-1

Query Match      100.0%; Score 603; DB 12; Length 731;
Best Local Similarity 100.0%; Pred. No. 8.7e-41;
Matches 118; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  PFGFGVGVGGIPGVAGVPGVGVPGVGGVPGVGVGSPGAQAAAAAKAAKYGVGTAAAAAK 60
DB      378 PFGFGVGVGGIPGVAGVPGVGVPGVGGVPGVGVGSPGAQAAAAAKAAKYGVGTAAAAAK 437

QY      61  AAKAAQAQGLVPGVGVAGVPGVGVAGVPGVGLAPGVGVAPGVGVGVPAPAIGP 118
DB      438 AAKAAQAQGLVPGVGVAGVPGVGVAGVPGVGLAPGVGVAPGVGVGVPAPAIGP 495

RESULT 4
US-09-964-662-9
; Sequence 9, Application US/09964662

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; APPLICANT: HAENDLER, BERNARD
; APPLICANT: KRAETZSCHMAR, JOERN
; APPLICANT: KREFT, BERTHOLT
; APPLICANT: WINTERHAGER, ELKE
; APPLICANT: REGIDOR, PEDRO
; APPLICANT: SCOTTI, SIMONE
; TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS
; FILE REFERENCE: SCH-1789
; CURRENT APPLICATION NUMBER: US/09/961.403
; CURRENT FILING DATE: 2001-09-25
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 730
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-961-403-8

Query Match          96.2%; Score 580; DB 11; Length 730;
Best Local Similarity 93.5%; Pred. No. 6e-39; 2; Indels 6; Gaps 1;
Matches 116; Conservative 0; Mismatches 2; Indels 6; Gaps 1;

QY    1 PFPGVGVGIGPVAGVPGVGVGVPGLAPGVGGVGPISPEAQAAAAAAKYGVTPAAAAAK 60
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db    404 PFPGVGVGIGPVAGVPSGVGVGVPGLAPGVGGVGPISPEAQAAAAAAKYGVTPAAAAAK 463
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY    61 AAKAQAQF-----GLVPGVGVAGVPGVGVGVPGLAPGVGGVGPISPEAQAAAAAAKYGV 114
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db    464 AAKAQAQFALLNLGLVPGVGVAGVPGVGVGVPGLAPGVGGVGPISPEAQAAAAAAKYGV 523
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY    115 AIGP 118
      |||
Db    524 GIGP 527
      |||

RESULT 7
US-09-837-969A-38
; Sequence 38, Application US/09837969A
; Patent No. US20020038150A1
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BERL-020/03US
; CURRENT APPLICATION NUMBER: US/09/837,969A
; PRIOR FILLING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILLING DATE: 1999-02-26
; PRIOR FILLING DATE: 1998-05-29
; PRIOR FILLING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 745
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(745)
; OTHER INFORMATION: Synthetic
US-09-837-969A-38

Query Match          55.7%; Score 336; DB 9; Length 745;
Best Local Similarity 59.7%; Pred. No. 2e-19;
Matches 77; Conservative 5; Mismatches 17; Indels 30; Gaps 7;

QY    2 PGFGV-GVG----GIPGVAGVPGVG----GVPGVG---GVPGVGISPEAQAAAAAAK 48
      || || || || || || || || || || || || || || || || || || || || || ||
Db    138 PGVGVPVGVPVGVPVGVPVG-VGPGVGVPVGVPVGVPVGVPVGVPVGVPVGVP 183
      || || || || || || || || || || || || || || || || || || || || || ||
QY    49 YGVGTPTAAAAAAKAAQAQGLVPGVGVAGVPGVGVGVPGLAPGVGGVGPISPEAQAAAAAAK 108
      || | || | || | || | || | || | || | || | || | || | || | || | || | ||
Db    184 -GVPGVGVPVGVPVGVPVG--GVAPGVGVAGVPGVGVGVPGLAPGVGGVGPISPEAQAAAA 240
      || || || || || || || || || || || || || || || || || || || || || ||
QY    109 GYGVPATG 117
      || || || || || || || || || || || || || || || || || || || || || ||
Db    241 GYGVPATG 249
      || || || || || || || || || || || || || || || || || || || || || ||

RESULT 9
US-09-837-969A-14
; Sequence 14, Application US/09837969A
; Patent No. US20020038150A1
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BERL-020/03US
; CURRENT APPLICATION NUMBER: US/09/837,969A
; CURRENT FILLING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILLING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILLING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILLING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 148
; TYPE: PRT

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; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(148)
; OTHER INFORMATION: Synthetic
US-09-837-969A-14

Query Match          55.3%; Score 333.5; DB 9; Length 148;
Best Local Similarity 59.7%; Pred. No. 6.5e-20;
Matches 74; Conservative 5; Mismatches 10; Indels 35; Gaps 5;

QY  2 PGFGVGGIGPVAGVPGVG-----GVPCGVG-----GVPGVGISPEAQAATAAKAKYGVGT 53
    ||| |::||| ||||| ||||| ||||| |||||
Db  5 PGCVGPGVGVPGV-GVPGVGVPGVGVPGVGVPGVGVPGV-----GVGV 49
    |
QY  54 PAAAAAATAAKAAQAGLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 113
    | |::||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  50 PGV-----GVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 97
    |
QY  114 PAIG 117
    |::|
Db  98 PGVG 101

RESULT 10
US-09-841-321A-14
; Sequence 14, Application US/09841321A
; Patent No. US20020116069A1
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BERL-020/04US
; CURRENT APPLICATION NUMBER: US/09/841,321A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(148)
; OTHER INFORMATION: Synthetic
US-09-841-321A-14

Query Match          55.3%; Score 333.5; DB 10; Length 148;
Best Local Similarity 59.7%; Pred. No. 6.5e-20;
Matches 74; Conservative 5; Mismatches 10; Indels 35; Gaps 5;

QY  2 PGFGVGGIGPVAGVPGVG-----GVPCGVG-----GVPGVGISPEAQAATAAKAKYGVGT 53
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Db  5 PGCVGPGVGVPGV-GVPGVGVPGVGVPGVGVPGVGVPGV-----GVGV 49
    |
QY  54 PAAAAAATAAKAAQAGLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 113
    | |::||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  50 PGV-----GVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 97
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QY  114 PAIG 117
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Db  98 PGVG 101

RESULT 11
US-10-096-986-74
; Sequence 74, Application US/10096986
; Publication No. US20030083464A1

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; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; Richardson, Charles
; Chambers, James
; Causey, Stuart
; Pollock, Thomas J.
; Cappello, Joseph
; Crissman, John W.
; TITLE OF INVENTION: No. US20030083464A1 Peptides Comprising Repetitive
; Units of Amino Acids and DNA Sequences Encoding the Sa
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr Hobbach Test Albritton & Herbert LLP
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/096,986
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/444,791
; FILING DATE: 22-No. US20030083464A1-1999
; APPLICATION NUMBER: US 08/482,085
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/175,155
; FILING DATE: 29-DEC-1993
; APPLICATION NUMBER: US 08/053,049
; FILING DATE: 22-APR-1993
; APPLICATION NUMBER: US 07/114,618
; FILING DATE: 29-OCT-1987
; APPLICATION NUMBER: US 06/927,258
; FILING DATE: 04-NOV-1986
; ATTORNEY/AGENT INFORMATION:
; NAME: Trecartin, Richard F.
; REGISTRATION NUMBER: 31,801
; REFERENCE/DOCKET NUMBER: A-55186-11/RFT/BTC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1465 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 74:
US-10-096-986-74

Query Match          40.6%; Score 245; DB 15; Length 1465;
Best Local Similarity 55.0%; Pred. No. 7.4e-12;
Matches 72; Conservative 4; Mismatches 17; Indels 38; Gaps 13;

QY  2 PGFGVGVG-----GIPGVAGVPGVG-----GVPGVG-----GVPGVGISPEAQAATAAKA 46
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Db  77 PGAGAGSGAGAGSGVGVPGV-GVPCGVGPGVGVPGVGVPGVGVPGV-----124
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QY  47 AKYGVGTPAAAAAATAAKAAQAGLVPGVGVAPGVGVAPGVGVAPGVGVAPGVGV 106
    ||| |::||| ||||| ||||| ||||| ||||| ||||| |||||
Db  125 ---GVGVPGAGAGAGAGSGVG-VPGVGV-PGVGV-PGVGV-PGVGV-PGVGV 175
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QY  107 APGVGVAPAG 117
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Db  176 -PGVGV-PGAG 184

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RESULT 15
US-10-117-931-25
; Sequence 25, Application US/10117931
; Publication No. US20030104569A1
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; GENERAL INFORMATION:
; APPLICANT: STEDRONSKY, Erwin R.
; CAPPELLO, Joseph
; TITLE OF INVENTION: Tissue Adhesive using Synthetic
; Crosslinking
;

```

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FLEHR, HOEBACH, TEST, ALBERTTON & HERBERT  
 STREET: Four Embarcadero Center, Suite 200  
 CITY: San Francisco  
 STATE: CA  
 COUNTRY: US  
 ZIP: 94111  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION NUMBER: US/10/117,931  
 FILING DATE: 05-Apr-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/542,246  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ROWLAND, Bertram I

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Db      86  GAGAGSAGAGSGVG-VFGVG-V-FVG-V-PGSGVPGKGVPGVG-V-PGSGV-PGSGVPGAG 140
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QY      107  -----APGVVAPAIG 117
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      141  AGSAGAGSGVGVPGVPGVG-PGVG 162
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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Job time : 9.90403 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 10, 2003, 18:38:08 ; Search time 86.274 Seconds

(without alignments)  
1244.528 Million cell updates/sec

Title: US-09-964-662-10

Perfect score: 603

Sequence: 1 FPGFGVGVGGIGFVAGVPGV.....GVAPGVGVAPGVGVAPAIGP 118

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 5728757 seqs, 909918778 residues

Total number of hits satisfying chosen parameters: 5728757

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main.\*

- 1: /cgn2\_6/ptodata/1/paa/PCTUS\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/1/paa/US06\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/1/paa/US07\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/1/paa/US08\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/1/paa/US081\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/1/paa/US082\_COMB.pep.\*
- 7: /cgn2\_6/ptodata/1/paa/US083\_COMB.pep.\*
- 8: /cgn2\_6/ptodata/1/paa/US084\_COMB.pep.\*
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- 10: /cgn2\_6/ptodata/1/paa/US086\_COMB.pep.\*
- 11: /cgn2\_6/ptodata/1/paa/US087\_COMB.pep.\*
- 12: /cgn2\_6/ptodata/1/paa/US088\_COMB.pep.\*
- 13: /cgn2\_6/ptodata/1/paa/US089\_COMB.pep.\*
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- 21: /cgn2\_6/ptodata/1/paa/US097A\_COMB.pep.\*
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- 23: /cgn2\_6/ptodata/1/paa/US098\_COMB.pep.\*
- 24: /cgn2\_6/ptodata/1/paa/US099A\_COMB.pep.\*
- 25: /cgn2\_6/ptodata/1/paa/US099B\_COMB.pep.\*
- 26: /cgn2\_6/ptodata/1/paa/US100\_COMB.pep.\*
- 27: /cgn2\_6/ptodata/1/paa/US101\_COMB.pep.\*
- 28: /cgn2\_6/ptodata/1/paa/US102\_COMB.pep.\*
- 29: /cgn2\_6/ptodata/1/paa/US103\_COMB.pep.\*
- 30: /cgn2\_6/ptodata/1/paa/US104\_COMB.pep.\*
- 31: /cgn2\_6/ptodata/1/paa/US106\_COMB.pep.\*
- 32: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	603	100.0	118	25	US-09-964-662-10
Sequence 10, Appl					

2	603	100.0	200	25	US-09-964-662-2	Sequence 2, Appl
3	603	100.0	731	25	US-09-964-662-1	Sequence 1, Appl
4	599	99.3	702	32	US-60-453-050-10290	Sequence 10290, A
5	599	99.3	702	32	US-60-453-135-10290	Sequence 10290, A
6	599	99.3	702	32	US-60-466-412-10290	Sequence 10290, A
7	599	99.3	757	32	US-60-453-050-10289	Sequence 10289, A
8	599	99.3	757	32	US-60-453-135-10289	Sequence 10289, A
9	599	99.3	757	32	US-60-466-412-10289	Sequence 10289, A
10	597	99.0	117	25	US-09-964-662-9	Sequence 9, Appl
11	597	99.0	199	25	US-09-964-662-11	Sequence 11, Appl
12	593	98.3	515	21	US-09-743-818-71	Sequence 71, Appl
13	593	98.3	571	21	US-09-743-818-7	Sequence 7, Appl
14	593	98.3	660	18	US-09-463-091-5	Sequence 5, Appl
15	593	98.3	660	21	US-09-743-818-6	Sequence 6, Appl
16	593	98.3	698	18	US-09-463-091-3	Sequence 3, Appl
17	593	98.3	698	21	US-09-743-818-5	Sequence 5, Appl
18	593	98.3	711	28	US-10-210-172-38	Sequence 38, Appl
19	593	98.3	731	21	US-09-743-818-4	Sequence 4, Appl
20	593	98.3	733	18	US-09-463-091-2	Sequence 2, Appl
21	593	98.3	757	1	PCT-US03-09391-2	Sequence 2, Appl
22	592	98.2	772	22	US-09-750-494-217	Sequence 217, Appl
23	592	98.2	772	28	US-10-223-026-217	Sequence 217, Appl
24	586	97.2	712	19	US-09-554-996-3	Sequence 3, Appl
25	586	97.2	730	19	US-09-554-996-8	Sequence 8, Appl
26	580	96.2	692	28	US-10-210-172-40	Sequence 40, Appl
27	580	96.2	730	25	US-09-961-403-8	Sequence 8, Appl
28	490.5	81.3	472	20	US-09-611-523-212	Sequence 212, Appl
29	490.5	81.3	472	29	US-10-305-278-212	Sequence 212, Appl
30	477	79.1	663	27	US-10-108-260A-2477	Sequence 2477, Ap
31	434.5	72.1	617	27	US-10-104-047-2915	Sequence 2915, Ap
32	336	55.7	745	1	PCT-US99-04440-38	Sequence 38, Appl
33	336	55.7	745	16	US-09-258-723-38	Sequence 38, Appl
34	336	55.7	745	23	US-09-837-969A-38	Sequence 38, Appl
35	336	55.7	745	23	US-09-841-321A-38	Sequence 38, Appl
36	333.5	55.3	148	1	PCT-US99-04440-14	Sequence 14, Appl
37	333.5	55.3	148	16	US-09-258-723-14	Sequence 14, Appl
38	333.5	55.3	148	23	US-09-837-969A-14	Sequence 14, Appl
39	333.5	55.3	148	23	US-09-841-321A-14	Sequence 14, Appl
40	316	52.4	119	23	US-09-807-742-15	Sequence 15, Appl
41	281.5	46.7	864	28	US-10-219-051B-2524	Sequence 2524, Ap
42	245	40.6	1413	11	US-08-707-237-45	Sequence 45, Appl
43	245	40.6	1464	8	US-08-477-509-74	Sequence 74, Appl
44	245	40.6	1464	8	US-08-482-085-74	Sequence 74, Appl
45	245	40.6	1465	26	US-10-036-986-74	Sequence 74, Appl

ALIGNMENTS

RESULT 1  
US-09-964-662-10  
; Sequence 10, Application US/09964662  
; GENERAL INFORMATION:  
; APPLICANT: PROTEIN SPECIALTIES LTD.  
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0112  
; CURRENT APPLICATION NUMBER: US/09/964,662  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ IDS NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 10  
; LENGTH: 118  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-964-662-10

Query Match 100.0%; Score 603; DB 25; Length 118;  
Best Local Similarity 100.0%; Pred. No. 6.9e-44;  
Matches 118; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



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; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 82762
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-135-10289

Query Match          99.3%; Score 599; DB 32; Length 757;
Best Local Similarity 99.2%; Pred. No. 1.2e-42;
Matches 117; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY      1  PFGVGVGIGPGVAGVPGVGGVPGVGGVPGVGGVSPGAQAAAAAAXKAYGVGTAAAAAAK 60
Db      404  PFGVGVGIGPGVAGVPGVGGVPGVGGVPGVGGVSPGAQAAAAAAXKAYGVGTAAAAAAK 463

QY      61  AAAKAAQFGLVPGVAGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPG 118
Db      464  AAAKAAQFGLVPGVAGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPG 521

RESULT 9
US-60-466-412-10289
; Sequence 10289, Application US/60466412
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES T
; FILE REFERENCE: CL001466
; CURRENT APPLICATION NUMBER: US/60/466,412
; CURRENT FILING DATE: 2003-04-30
; NUMBER OF SEQ ID NOS: 429241
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10289
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-466-412-10289

Query Match          99.3%; Score 599; DB 32; Length 757;
Best Local Similarity 99.2%; Pred. No. 1.2e-42;
Matches 117; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY      1  PFGVGVGIGPGVAGVPGVGGVPGVGGVPGVGGVSPGAQAAAAAAXKAYGVGTAAAAAAK 60
Db      404  PFGVGVGIGPGVAGVPGVGGVPGVGGVPGVGGVSPGAQAAAAAAXKAYGVGTAAAAAAK 463

QY      61  AAAKAAQFGLVPGVAGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPG 118
Db      464  AAAKAAQFGLVPGVAGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPG 521

RESULT 10
US-09-964-662-9
; Sequence 9, Application US/09964662
; GENERAL INFORMATION:
; APPLICANT: PROTEIN SPECIALTIES LTD.
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS
; FILE REFERENCE: 041082/0112
; CURRENT APPLICATION NUMBER: US/09/964,662
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: 09/340,736
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Homo sapiens

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US-09-964-662-9

Query Match 99.0%; Score 597; DB 25; Length 117;  
Best Local Similarity 100.0%; Pred. No. 2.2e-43;  
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 60  
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QY 62 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 118  
|||||  
Db 61 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 117  
|||||

RESULT 11

US-09-964-662-11  
; Sequence 11, Application US/09964662  
; GENERAL INFORMATION:  
; APPLICANT: PROTEIN SPECIALTIES LTD.  
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
; TITLE OF INVENTION: OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0112  
; CURRENT APPLICATION NUMBER: US/09/964,662  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 199  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-964-662-11

Query Match 99.0%; Score 597; DB 25; Length 199;  
Best Local Similarity 100.0%; Pred. No. 4e-43;  
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 61  
|||||  
Db 1 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 60  
|||||  
QY 62 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 118  
|||||  
Db 61 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 117  
|||||

RESULT 12

US-09-743-818-71  
; Sequence 71, Application US/09743818  
; GENERAL INFORMATION:  
; APPLICANT: The University of Sydney  
; TITLE OF INVENTION: Protease Susceptibility  
; FILE REFERENCE: Weiss Protease  
; CURRENT APPLICATION NUMBER: US/09/743,818  
; CURRENT FILING DATE: 2001-01-15  
; NUMBER OF SEQ ID NOS: 74  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 71  
; LENGTH: 515  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-743-818-71

Query Match 98.3%; Score 593; DB 21; Length 515;  
Best Local Similarity 98.3%; Pred. No. 2.5e-42;  
Matches 116; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 60  
|||||  
Db 378 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 437  
|||||

QY 61 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 118  
|||||  
Db 438 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 495  
|||||

RESULT 13

US-09-743-818-7  
; Sequence 7, Application US/09743818  
; GENERAL INFORMATION:  
; APPLICANT: The University of Sydney  
; TITLE OF INVENTION: Protease Susceptibility  
; FILE REFERENCE: Weiss Protease  
; CURRENT APPLICATION NUMBER: US/09/743,818  
; CURRENT FILING DATE: 2001-01-15  
; NUMBER OF SEQ ID NOS: 74  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 571  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-743-818-7

Query Match 98.3%; Score 593; DB 21; Length 571;  
Best Local Similarity 98.3%; Pred. No. 2.8e-42;  
Matches 116; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 60  
|||||  
Db 378 PFGVGVGIGPVAGVPGVGGVPGVGGISPEAQAAAAAANKYGVGTPTAAAAKA 437  
|||||  
QY 61 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 118  
|||||  
Db 438 AAKAAQGLVPGVAGVAPGVAGVAGVAGVAGVAGVAGVAGVAGVAPG 495  
|||||

RESULT 14

US-09-463-091-5  
; Sequence 5, Application US/09463091  
; GENERAL INFORMATION:  
; APPLICANT: WEISS, ANTHONY S  
UNIVERSITY, SYDNEY  
; TITLE OF INVENTION: TROPOLASTIN DERIVATIVES  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
ADDRESSEE: GRIFFITH HACK  
STREET: 168 WALKER STREET  
CITY: NORTH SYDNEY  
STATE: NEW SOUTH WALES  
COUNTRY: AUSTRALIA  
ZIP: 2060  
; COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/463,091  
FILING DATE: 31-Mar-2000  
CLASSIFICATION: <unknown>  
; PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU F08117  
FILING DATE: 18-JUL-1997  
; ATTORNEY/AGENT INFORMATION:  
NAME: GUMLEY, THOMAS P  
REFERENCE/DOCKET NUMBER: 048282K  
; TELECOMMUNICATION INFORMATION:  
TELEPHONE: 61 2 9957 5944  
TELEFAX: 61 2 9957 6288  
TELEX: 26547  
; INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 660 amino acids

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;
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-463-091-5

Query Match          98.3%; Score 593; DB 18; Length 660;
Best Local Similarity 98.3%; Pred. No. 3.3e-42;
Matches 116; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 PFGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAAKAAYGVGTPAAAAAK 60
        |||||||
Db      341 PFGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAAKAAYGVGTPAAAAAK 400

QY      61 AAKAAQFGLVPGVGVAPGVAGVPGVGLAPGVGVPAGVPGVAPGVPAGP 118
        |||||||
Db      401 AAKAAQFGLVPGVGVAPGVAGVPGVGLAPGVGVPAGVPGVAPGVPAGP 458

RESULT 15
US-09-743-818-6
; Sequence 6, Application US/09743818
; GENERAL INFORMATION:
; APPLICANT: The University of Sydney
; TITLE OF INVENTION: Protease Susceptibility
; FILE REFERENCE: Weiss Protease
; CURRENT APPLICATION NUMBER: US/09/743,818
; CURRENT FILING DATE: 2001-01-15
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-743-818-6

Query Match          98.3%; Score 593; DB 21; Length 660;
Best Local Similarity 98.3%; Pred. No. 3.3e-42;
Matches 116; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 PFGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAAKAAYGVGTPAAAAAK 60
        |||||||
Db      341 PFGFGVGGIPGVAGVPGVGGVPGVGGISPEAQAAAAAAKAAYGVGTPAAAAAK 400

QY      61 AAKAAQFGLVPGVGVAPGVAGVPGVGLAPGVGVPAGVPGVAPGVPAGP 118
        |||||||
Db      401 AAKAAQFGLVPGVGVAPGVAGVPGVGLAPGVGVPAGVPGVAPGVPAGP 458
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Search completed: October 10, 2003, 18:59:56  
Job time : 86.274 secs

Result No.	Query #			ID	Description
	Score	Match	Length		
1	599	99.3	702	US-60-487-610-1797	Sequence 1797, Ap
2	599	99.3	757	US-60-487-610-1796	Sequence 1796, Ap
3	593	98.3	711	1 PCT-US02-24483-38	Sequence 38, Appl
4	580	96.2	-692	1 PCT-US02-24483-40	Sequence 40, Appl
5	316	52.4	119	US-09-807-742A-15	Sequence 15, Appl
6	230	38.1	1250	US-09-807-742A-1	Sequence 1, Appl
7	191	31.7	252	1 PCT-US03-26780-3569	Sequence 3569, Ap
8	191	31.7	279	1 PCT-US03-26780-3570	Sequence 3570, Ap
9	191	31.7	366	1 PCT-US03-26780-3572	Sequence 3572, Ap
10	191	31.7	384	1 PCT-US03-26780-3573	Sequence 3573, Ap
11	191	31.7	906	1 PCT-US03-26780-3571	Sequence 3571, Ap
12	179	29.7	1386	1 PCT-US03-19153-284	Sequence 284, Appl
13	160.5	26.6	951	1 PCT-US03-26780-3411	Sequence 3411, Ap
14	158	26.2	762	1 PCT-US03-26780-3010	Sequence 3010, Ap
15	158	26.2	885	1 PCT-US03-26780-3009	Sequence 3009, Ap
16	154.5	25.6	889	1 PCT-US03-26780-3646	Sequence 3646, Ap
17	151	25.0	1755	1 PCT-US03-26780-3444	Sequence 3444, Ap
18	150.5	25.0	534	1 PCT-US03-26780-3162	Sequence 3162, Ap
19	150.5	25.0	537	1 PCT-US03-26780-3160	Sequence 3160, Ap
20	150.5	25.0	594	1 PCT-US03-26780-3161	Sequence 3161, Ap
21	149	24.7	1350	1 PCT-US03-26780-3136	Sequence 3136, Ap
22	149	24.7	1719	1 PCT-US03-26780-3135	Sequence 3135, Ap
23	141	23.4	222	1 PCT-US03-26780-3427	Sequence 3427, Ap
24	141	23.4	240	1 PCT-US03-26780-3432	Sequence 3432, Ap
25	141	23.4	261	1 PCT-US03-26780-3459	Sequence 3459, Ap
26	140	23.2	396	1 PCT-US03-26780-3578	Sequence 3578, Ap









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; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3411
; LENGTH: 951
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3411

Query Match      26.6%; Score 160.5; DB 1; Length 951;
Best Local Similarity 39.7%; Pred. No. 2.2;
Matches 50; Conservative 0; Mismatches 59; Indels 17; Gaps 4

QY      5  GVGVGTPGVAGVPG-----VGPGVGVGPGVGPGVGSPEPQAAAAAAXYXVGTPTAAAAAK 60
Db      98  GAGAAGAGGAGGAAGAAAGAAAGAAAGAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 153
QY      61  AAAAAGAGFLVPGVGVPAGVGVA-----PGVGVPAGVGLAPGVG-----VAPGVGVAPGVG 111
Db     154  AAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 133
QY      112  VAPAIIG 117.
Db     214  GAAAAG 219

RESULT 14
PCT-US03-26780-3010
; Sequence 3010, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVERPINE THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.

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[illegible]



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/ APPLICANT: Glazer, Paul
/
/ TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
/
/ FILE REFERENCE: BERL-020/0505
/
/ CURRENT APPLICATION NUMBER: US/09/841,334A
/
/ CURRENT FILING DATE: 2001-04-23
/
/ PRIOR APPLICATION NUMBER: US 09/258,723
/
/ PRIOR FILING DATE: 1999-02-26
/
/ PRIOR APPLICATION NUMBER: US 60/087155
/
/ PRIOR FILING DATE: 1998-05-29
/
/ PRIOR APPLICATION NUMBER: US 60/076297
/
/ PRIOR FILING DATE: 1998-02-27
/
/ NUMBER OF SEQ ID NOS: 65
/
/ SOFTWARE: PatentIn version 3.0
/
/ SEQ ID NO 14
/
/ LENGTH: 148
/
/ TYPE: PRT
/
/ ORGANISM: Artificial Sequence
/
/ FEATURE:
/
/ NAME/KEY: PEPTIDE
/
/ LOCATION: (1)..(148)
/
/ OTHER INFORMATION: Synthetic
/
/ US-09-841-334A-14

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Query Match	44..6%;	Score 448;	DB 4;	Length 148;
Best Local Similarity	56.2%;	Pred.No. 6.3e-32;		
Matches 113;	Conservative	6;	Mismatches 16;	Indels 66; Gaps 13;
QY	1	PGFGVGGIGIPGVAAGPVGV	---GVPGVG---	-GPGVGISPEAQAAAAAAXKYGVT 52
Ddb	5	PGVGVGVGPVGV-GVPGVGV	PGVGVPGVGVPGVGP-	-----GVGV 49
QY	53	PAAAAATAAAKAQGLVPGV	GVAAPGVGVAPGVGVLAPGV	GVAPGVGVA 112
Ddb	50	PGV-----GVA	PGVGVAPGVGVA	PGVAPGVGVA 97
QY	113	PAIQPEAQAAAAAAXKYGVT	PAATAAAAKAAQFGLVPGV	GVAAPGVGVA 172
Ddb	98	PGVGPV-----	GVGVGVG-	-----VPGVV-PGVGV-PG 129
QY	173	VGLAPGVGVA	PGVGVAPGVG	193
Ddb	130	VG-VPGVGV-PGVGV-PGVGV	147	

RESULT 13  
US-08-212-237-5  
; Sequence 5, Application US/08212237  
; Patent No. 5606019  
; GENERAL INFORMATION:  
; APPLICANT: Cappello, Joseph  
; TITLE OF INVENTION: Synthetic Proteins As Implantables  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hombach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/212,237  
; FILING DATE: 11-MAR-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rowland, Bertram I  
; REGISTRATION NUMBER: 20,015  
; REFERENCE/DOCKET NUMBER: A-58847/BIIR  
; TELECOMMUNICATION INFORMATION:

```

; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 988 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-212-237-5

Query Match          40.3%; Score 404.5; DB 1; Length 988;
Best Local Similarity 55.8%; Pred.No. 2.4e-27;
Matches 120; Conservative 11; Mismatches 51; Indels 33; Gaps 20;

QY      2 GFVGVGIGIPGV----AGVPGVG---GVPVG-----GVPVGISPEAQAAAAAANKYG 49
DB      69 GSGAGAGVPGVGPVPGVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPV 127
QY      50 VGTPTAAAANKA-----AKAAQFLGVGVAPGVGPVGPVGPVGPVGPVGPVGPVGPVGPV 104
DB     128 SGAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAG 182
QY     105 VAPGVGVAIPAEPQAQAAAAAKAKYGVTPPAAAAKA-AKAAQFLGVGVGPVGPVGPV 163
DB     183 V-PGVGV-PQVGGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAGAGSAG 239
QY     164 APGVGVAPGLPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPVGPV 198
DB     240 -PGVGV-PGVGV-PGVGV-PGVGV-PGVGV-PGVGV-PGVGV-PGVGV-PGVGV-PGVGV 268

RESULT 14
US-08-806-029-28
; Sequence 28, Application US/08806029
; Patent No 6380154
; GENERAL INFORMATION:
; APPLICANT: Cappello, Joseph
; APPLICANT: Stedronsky, Erwin R.
; TITLE OF INVENTION: Synthetic Proteins for in vivo Drug
; TITLE OF INVENTION: Synthetic Proteins for in vivo Drug
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/806,029
; FILING DATE: 24-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/212,237
; FILING DATE: 11-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Trecartin, Richard F.
; REGISTRATION NUMBER: 31,801
; REFERENCE/DOCKET NUMBER: A-58847-2/RFT/MTX
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 988 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown

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Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	1004	100.0	199	12	US-09-964-662-11	Sequence 11, Appl
2	1004	100.0	200	12	US-09-964-662-2	Sequence 2, Appl
3	711.5	70.9	731	12	US-09-964-662-1	Sequence 1, Appl
4	691	68.8	730	11	US-09-961-403-8	Sequence 8, Appl
5	597	59.5	117	12	US-09-964-662-9	Sequence 9, Appl
6	597	59.5	118	12	US-09-964-660-10	Sequence 10, Appl
7	525	52.3	745	9	US-09-837-969A-38	Sequence 38, Appl
8	525	52.3	745	9	US-09-841-321A-38	Sequence 36, Appl
9	448	44.6	148	9	US-09-837-969A-14	Sequence 14, Appl
10	448	44.6	148	10	US-09-841-321A-14	Sequence 14, Appl
11	375	37.4	1465	15	US-10-096-986-74	Sequence 81, Appl
12	370	36.9	2257	15	US-10-096-986-82	Sequence 82, Appl
13	367	36.6	2055	15	US-10-096-986-81	Sequence 81, Appl
14	364	36.3	378	15	US-10-117-931-26	Sequence 26, Appl
15	364	36.3	1002	15	US-10-117-931-25	Sequence 25, Appl

b 121 AAAAAKAKYGVGTTPAAAAAKAAKAAQFGLVPGVGVPAGVGVPAGV

[illegible]

QY 181 VAPGVGVPAGVGVAPAI GP 199  
 |||||  
 Db 181 VAPGVGVPAGVGVAPAI GP 199

## RESULT 2

US-09-964-662-2  
 ; Sequence 2, Application US/09964662  
 ; Publication No. US20030166846A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: PROTEIN SPECIALTIES LTD.  
 ; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
 ; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
 ; TITLE OF INVENTION: OTHER FIBROUS PROTEINS  
 ; FILE REFERENCE: 041082/0112  
 ; CURRENT APPLICATION NUMBER: US/09/964,662  
 ; PRIOR FILING DATE: 2003-05-08  
 ; PRIOR APPLICATION NUMBER: 09/340,736  
 ; PRIOR FILING DATE: 1999-06-29  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 2  
 ; LENGTH: 200  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 ; OTHER INFORMATION: polypeptide  
 US-09-964-662-2

Query Match 100.0%; Score 1004; DB 12; Length 200;  
 Best Local Similarity 100.0%; Pred. No. 6.7e-67;  
 Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 60  
 |||||  
 Db 2 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 61  
 |||||

QY 61 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPEAQ 120  
 |||||  
 Db 62 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPEAQ 121  
 |||||

QY 121 AAKAAKAYGVGTFAAAAAA KAAKAAQFGLVPGVGVAGVPGVAGVPGVAPAIQPEAQ 180  
 |||||  
 Db 122 AAKAAKAYGVGTFAAAAAA KAAQFGLVPGVGVAGVPGVAGVPGVAPAIQPEAQ 181  
 |||||

QY 181 VAPGVGVPAGVGVAPAI GP 199  
 |||||  
 Db 182 VAPGVGVPAGVGVAPAI GP 200  
 |||||

## RESULT 3

US-09-964-662-1  
 ; Sequence 1, Application US/09964662  
 ; Publication No. US20030166846A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: PROTEIN SPECIALTIES LTD.  
 ; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
 ; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
 ; TITLE OF INVENTION: OTHER FIBROUS PROTEINS  
 ; FILE REFERENCE: 041082/0112  
 ; CURRENT APPLICATION NUMBER: US/09/964,662  
 ; PRIOR FILING DATE: 2003-05-08  
 ; PRIOR APPLICATION NUMBER: 09/340,736  
 ; PRIOR FILING DATE: 1999-06-29  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 731  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-964-662-1

Query Match 70.9%; Score 711.5; DB 12; Length 731;  
 Best Local Similarity 77.3%; Pred. No. 6.8e-45;  
 Matches 157; Conservative 6; Mismatches 23; Indels 17; Gaps 7;

QY 1 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 60  
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 Db 379 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 438  
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QY 61 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPEAQ 120  
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 Db 439 AAKAAQFGLVPGVGVAGVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPGGV 498  
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QY 121 AAKAAKAYGVGTFAAAAAA KAAQFGLVPGVGVAGVPGVAGVPGVAPAIQPEAQ 176  
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 Db 499 AAKAAKAYGVGTFAAAAAA KAAQFGLVPGVGVAGVPGVAGVPGVAPAIQPEAQ 546  
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QY 177 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 199  
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 Db 547 VAGV-PGFGAGADEGVRRLSP 568

## RESULT 4

US-09-961-403-8  
 ; Sequence 8, Application US/09961403  
 ; Publication No. US20030077589A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HE-STUMPP, HOLGER  
 ; APPLICANT: HAENDLER, BERNARD  
 ; APPLICANT: KRAETZSCHMAR, JOERN  
 ; APPLICANT: KREFT, BERTHOLT  
 ; APPLICANT: WINTERHAGER, ELKE  
 ; APPLICANT: REGIDOR, PEDRO  
 ; APPLICANT: SCOTTI, SIMONE  
 ; TITLE OF INVENTION: METHOD FOR IN VITRO DIAGNOSIS OF ENDOMETRIOSIS  
 ; FILE REFERENCE: SCH-1789  
 ; CURRENT APPLICATION NUMBER: US/09/961,403  
 ; CURRENT FILING DATE: 2001-09-25  
 ; NUMBER OF SEQ ID NOS: 15  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 8  
 ; LENGTH: 730  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-961-403-8

Query Match 68.8%; Score 691; DB 11; Length 730;  
 Best Local Similarity 52.6%; Pred. No. 2.2e-43;  
 Matches 163; Conservative 6; Mismatches 25; Indels 116; Gaps 7;

QY 1 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 60  
 |||||  
 Db 405 PGRGVGGIPGVAGVPGVGVPGVGVGSPGAQAAAKAAKAYGVGTFAAAAAA 464  
 |||||

QY 61 AAKAAQF-----GLVPGVGVAGVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPEAQ 114  
 |||||  
 Db 465 AAKAAQFALLNLGLVPGVGVAGVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPEAQ 524  
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QY 115 IGPEAQAA-----  
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 Db 525 IGPGVAAAKAAKAAKAAQFGLVPGVGVAGVPGVGLAGVPGVAGVPGVAPAIQPEAQ 584  
 |||||

QY 123 -----AAKAAKAYGVGT-----  
 |||||  
 Db 585 GFGAVPEALAAKAAKAYKAAVPGVGLGALGGVIGPGVGVAGVPGVAPAIQPEAQ 644  
 |||||

QY 149 FGLVPGVGVAGVPGV-----APGVGVAPV-----GLAPGVGVAP--GV 185  
 |||||  
 Db 645 FGLVGAAGLG-GLVGGVGVPGVGGVGGVPPAAAKAAKAYKAAQFGLGAGVPGV 703  
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QY 186 GVAPGVGVAP 195  
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 Db 704 AARPFGVGLSP 713



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; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(745)
; OTHER INFORMATION: Synthetic
US-09-841-321A-38

Query Match      52.3%; Score 525; DB 10; Length 745;
Best Local Similarity 44.8%; Pred. No. 3.4e-31;
Matches 125; Conservative 8; Mismatches 46; Indels 100; Gaps 9;

QY 1 PGFGV-GVG-----GTPGVAGVPGVG-----GVPGVG-----GVPGVGIISPEAQAAAAAATAAK 47
Db 138 PGVGVPGVPGVPGVPGV-GVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 183
QY 48 YGVGTAAAAAATAAKAAQFGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 107
Db 184 -GVGVPGVPGVPGVPGVPGV--GVAPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGV 240
QY 108 GGVGAPAIQPEAQAAAAAATAAKYGVGTPTAAAAAATAAKAA----- 147
Db 241 GGVGAPGVG--VPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPG 298
QY 148 ----- 159
Db 299 GVPVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 358
QY 160 GGVGAPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGV 198
Db 359 GGVGAPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGV 397

RESULT 9
US-09-837-969A-14
; Sequence 14, Application US/05837969A
; Patent No. US20020038150A1
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BERL-020/030S
; CURRENT APPLICATION NUMBER: US 09/837,969A
; CURRENT FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 14
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(148)
; OTHER INFORMATION: Synthetic
US-09-837-969A-14

Query Match      44.6%; Score 448; DB 9; Length 148;
Best Local Similarity 56.2%; Pred. No. 3.2e-26;
Matches 113; Conservative 6; Mismatches 16; Indels 66; Gaps 13;

QY 1 PGFGVGGIPGVAGVPGVG-----GVPGVG-----GVPGVGIISPEAQAAAAAATAAKYGVGT 52
Db 5 PGVGVPGVPGVPGV-GVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 49
QY 53 PAAAAAATAAKAAQFGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 112
Db 50 PGV-----GVAPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 97
QY 113 PATGPEAQAAAAAATAAKYGVGTPTAAAAAATAAKAAQFGLVPGVAGVPGVAGVPGVAGVPGVAGV 172
Db 98 PGVGP-----GVPGVPGV----- 129
QY 173 VGLAPGVAGVPGVAGVPGV 193
Db 130 VGV-PGVPGV-PGVPGV-PGVPGV 147

RESULT 11
US-10-036-986-74
; Sequence 74, Application US/10096986
; Publication No. US2003008346A1
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; Richardson, Charles
; Chambers, James
; Causey, Stuart
; Pollock, Thomas J.
; Cappello, Joseph
; Crissman, John W.
; TITLE OF INVENTION: No. US2003008346A1e1 Peptides Comprising Repetitive
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr Hobbach Test Albritton & Herbert LLP

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Db 98 PGVGP-----GVGPVPGV-----VPGVPGV-PGVPGV-PGVPGV-PG 129
QY 173 VGLAPGVAGVPGVAGVPGV 193
Db 130 VGV-PGVPGV-PGVPGV-PGVPGV 147

RESULT 10
US-09-841-321A-14
; Sequence 14, Application US/09841321A
; Patent No. US20020116069A1
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BERL-020/040S
; CURRENT APPLICATION NUMBER: US 09/841,321A
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 14
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(148)
; OTHER INFORMATION: Synthetic
US-09-841-321A-14

Query Match      44.6%; Score 448; DB 10; Length 148;
Best Local Similarity 56.2%; Pred. No. 3.2e-26;
Matches 113; Conservative 6; Mismatches 16; Indels 66; Gaps 13;

QY 1 PGFGVGGIPGVAGVPGVG-----GVPGVG-----GVPGVGIISPEAQAAAAAATAAKYGVGT 52
Db 5 PGVGVPGVPGVPGV-GVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGVPGV 49
QY 53 PAAAAAATAAKAAQFGLVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 112
Db 50 PGV-----GVAPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGVPGVAGV 97
QY 113 PATGPEAQAAAAAATAAKYGVGTPTAAAAAATAAKAAQFGLVPGVAGVPGVAGVPGVAGVPGVAGV 172
Db 98 PGVGP-----GVGPVPGV-----VPGVPGV-PGVPGV-PGVPGV-PG 129
QY 173 VGLAPGVAGVPGVAGVPGV 193
Db 130 VGV-PGVPGV-PGVPGV-PGVPGV 147

RESULT 11
US-10-036-986-74
; Sequence 74, Application US/10096986
; Publication No. US2003008346A1
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Franco A.
; Richardson, Charles
; Chambers, James
; Causey, Stuart
; Pollock, Thomas J.
; Cappello, Joseph
; Crissman, John W.
; TITLE OF INVENTION: No. US2003008346A1e1 Peptides Comprising Repetitive
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr Hobbach Test Albritton & Herbert LLP

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RESULT 12  
US-10-096-985-82  
; Sequence 82, Application US/10096986  
; Publication No. US20030083464A1







GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 10, 2003, 18:38:08 ; Search time 145.496 Seconds  
(without alignments)  
1244.528 Million cell updates/sec

Title: US-09-964-662-11  
Perfect score: 1004  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 5728757 seqs, 909918778 residues

Total number of hits satisfying chosen parameters: 5728757

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main:\*

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11: /cgn2\_6/ptodata/1/paa/US087\_COMB.pep.\*  
12: /cgn2\_6/ptodata/1/paa/US088\_COMB.pep.\*  
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32: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	1004	100.0	199	25	US-09-964-662-11
Sequence 11, Appl					

2	1004	100.0	200	25	US-09-964-662-2	Sequence 2, Appl
3	711.5	70.9	731	25	US-09-964-662-1	Sequence 1, Appl
4	710	70.7	702	32	US-60-453-050-10290	Sequence 10290, A
5	710	70.7	702	32	US-60-453-135-10290	Sequence 10290, A
6	710	70.7	702	32	US-60-466-412-10290	Sequence 10290, A
7	708	70.5	772	22	US-09-760-494-217	Sequence 217, App
8	708	70.5	772	28	US-10-223-026-217	Sequence 217, App
9	707.5	70.5	757	32	US-60-453-050-10289	Sequence 10289, A
10	707.5	70.5	757	32	US-60-453-135-10289	Sequence 10289, A
11	707.5	70.5	757	32	US-60-466-412-10289	Sequence 10289, A
12	706	70.3	711	28	US-10-210-172-38	Sequence 38, Appl
13	704	70.1	698	18	US-09-463-091-3	Sequence 3, Appl
14	704	70.1	698	21	US-09-743-818-5	Sequence 5, Appl
15	703.5	70.1	660	18	US-09-463-091-5	Sequence 5, Appl
16	703.5	70.1	660	21	US-09-743-818-6	Sequence 6, Appl
17	702	69.9	712	19	US-09-554-996-3	Sequence 3, Appl
18	702	69.9	730	19	US-09-554-996-8	Sequence 8, Appl
19	701.5	69.9	731	21	US-09-743-818-4	Sequence 4, Appl
20	701.5	69.9	733	18	US-09-463-091-2	Sequence 2, Appl
21	701.5	69.9	757	1	PCT-US03-09391-2	Sequence 2, Appl
22	691	68.8	692	28	US-10-210-172-40	Sequence 40, Appl
23	691	68.8	730	25	US-09-961-403-8	Sequence 8, Appl
24	685	68.2	571	21	US-09-743-818-7	Sequence 7, Appl
25	670.5	66.8	515	21	US-09-743-818-71	Sequence 71, Appl
26	621	61.9	663	27	US-10-108-260A-2477	Sequence 2477, Ap
27	600	59.8	472	20	US-09-611-523-212	Sequence 212, App
28	600	59.8	472	20	US-10-305-278-212	Sequence 212, App
29	597	59.5	117	25	US-09-964-662-9	Sequence 9, Appl
30	597	59.5	118	25	US-09-964-662-10	Sequence 10, Appl
31	567	56.5	617	27	US-10-104-047-2915	Sequence 2915, Ap
32	525	52.3	745	1	PCT-US99-04440-38	Sequence 38, Appl
33	525	52.3	745	16	US-09-258-723-38	Sequence 38, Appl
34	525	52.3	745	23	US-09-837-969A-38	Sequence 38, Appl
35	525	52.3	745	23	US-09-841-321A-38	Sequence 38, Appl
36	448	44.6	148	1	PCT-US93-04440-14	Sequence 14, Appl
37	448	44.6	148	16	US-09-258-723-14	Sequence 14, Appl
38	448	44.6	148	23	US-09-837-969A-14	Sequence 14, Appl
39	448	44.6	148	23	US-09-841-321A-14	Sequence 14, Appl
40	429	42.7	119	23	US-09-807-742-15	Sequence 15, Appl
41	409.5	40.8	864	28	US-10-219-051B-2524	Sequence 2524, Ap
42	375	37.4	1413	11	US-08-707-237-45	Sequence 45, Appl
43	375	37.4	1464	8	US-08-477-509-74	Sequence 74, Appl
44	375	37.4	1464	8	US-08-482-085-74	Sequence 74, Appl
45	375	37.4	1465	26	US-10-096-986-74	Sequence 74, Appl

ALIGNMENTS

RESULT 1  
US-09-964-662-11  
; Sequence 11, Application US/09964662  
; GENERAL INFORMATION:  
; APPLICANT: PROTEIN SPECIALTIES LTD.  
; APPLICANT: HSC RESEARCH AND DEVELOPMENT LIMITED PARTNERSHIP  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN ELASTIN AND  
; FILE OF INVENTION: OTHER FIBROUS PROTEINS  
; FILE REFERENCE: 041082/0112  
; CURRENT APPLICATION NUMBER: US/09/964.662  
; CURRENT FILING DATE: 2003-05-08  
; PRIOR APPLICATION NUMBER: 09/340,736  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 199  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-964-662-11

Query Match 100.0%; Score 1004; DB 25; Length 199;  
Best Local Similarity 100.0%; Pred. No. 6.7e-73;  
Matches 199; Conservative 0; Mismatches 0; Indels 0; Gaps 0;









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Db 530 AAAAASAAKAAQAQRAAAGLAGIPGLGVGVGVLGVGAGVPGVPGVAGVP 589
QY 123 ---AAAKAAKYGVGTP-----AAAAAASAAKAAQAQFGLVPG 154
Db 590 GAAAAAARAAKYGAAPGVGLGALGVGIPGVGVGAGPAAAAAARAAKAAQAQFGLVGA 649
QY 155 VGVAPGVGVPAGVAPGVGLAPGVGVP-----GVGVAPGVGVPAP 195
Db 650 AGLG-GLGVG-GLGV-PGVG---GLGGIPPAASAAKAAKYGAARPGFGLSP 694

RESULT 13
US-09-463-091-3
; Sequence 3, Application US/09463091
; GENERAL INFORMATION:
; APPLICANT: WEISS, ANTHONY S
; UNIVERSITY, SYDNEY
; TITLE OF INVENTION: TROPOELASTIN DERIVATIVES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GRIFFITH HACK
; STREET: 168 WALKER STREET
; CITY: NORTH SYDNEY
; STATE: NEW SOUTH WALES
; COUNTRY: AUSTRALIA
; ZIP: 2060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/463,091
; FILING DATE: 31-MAR-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU P08117
; FILING DATE: 18-JUL-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: GUMLEY, THOMAS P
; REFERENCE/DOCKET NUMBER: 048282K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 61 2 9957 5944
; TELEFAX: 61 2 9957 6288
; TELEX: 26547
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 698 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-463-091-3

Query Match 70.1%; Score 704; DB 18; Length 698;
Best Local Similarity 53.6%; Pred. No. 3.8e-48;
Matches 163; Conservative 6; Mismatches 25; Indels 110; Gaps 6;

QY 1 PGFVGVGIPGVAGVPGVPGVPGVPGVGI-SPEAQAAAAAARAAKYGVGTPTAAASAA 60
Db 379 PGFVGVGIPGVAGVPGVPGVPGVPGVGI-SPEAQAAAAAARAAKYGVGTPTAAASAA 438
QY 61 AAKAAQFGLVPGVGVAGVAPGVAGVGLAPGVGVPAGVAPGVGVPAGVAPGPEAQ 120
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QY 121 AA-----122
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QY 123 ---AAAKAAKYGVGTP-----AAAAAASAAKAAQAQFGLVPG 154
Db 559 GAAAAAARAAKYGAAPGVGLGALGVGIPGVGVGAGPAAAAAARAAKAAQAQFGLVGA 618
QY 155 VGVAPGVGVP-----APGVGVGVPAP-----GLAPGVGVPAP--GVGVAPGV 191
Db 619 AGLG-GLGVG-GLGV-PGVG---GLGGIPPAASAAKAAKYGAARPGFGLSP 677
QY 192 GVAP 195
Db 678 GLSP 681

RESULT 14
US-09-743-818-5
; Sequence 5, Application US/09743818
; GENERAL INFORMATION:
; APPLICANT: The University of Sydney
; TITLE OF INVENTION: Protease Susceptibility
; FILE REFERENCE: Weiss Protease
; CURRENT APPLICATION NUMBER: US/09/743,818
; CURRENT FILING DATE: 2001-01-15
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 698
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-743-818-5

Query Match 70.1%; Score 704; DB 21; Length 698;
Best Local Similarity 53.6%; Pred. No. 3.8e-48;
Matches 163; Conservative 6; Mismatches 25; Indels 110; Gaps 6;

QY 1 PGFVGVGSIPIGVAGVPGVPGVPGVPGVGI-SPEAQAAAAAARAAKYGVGTPTAAASAA 60
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QY 61 AAKAAQFGLVPGVGVAGVAPGVAGVGLAPGVGVPAGVAPGVGVPAGVAPGPEAQ 120
Db 439 AAKAAQFGLVPGVGVAGVAPGVAGVGLAPGVGVPAGVAPGVGVPAGVAPGPGGY 498
QY 121 AA-----122
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Db 559 GAAAAAARAAKYGAAPGVGLGALGVGIPGVGVGAGPAAAAAARAAKAAQAQFGLVGA 618
QY 155 VGVAPGVGVP-----APGVGVGVPAP-----GLAPGVGVPAP--GVGVAPGV 191
Db 619 AGLG-GLGVG-GLGV-PGVG---GLGGIPPAASAAKAAKYGAARPGFGLSP 677
QY 192 GVAP 195
Db 678 GLSP 681

RESULT 15
US-09-463-091-5
; Sequence 5, Application US/09463091
; GENERAL INFORMATION:
; APPLICANT: WEISS, ANTHONY S
; UNIVERSITY, SYDNEY
; TITLE OF INVENTION: TROPOELASTIN DERIVATIVES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GRIFFITH HACK
; STREET: 168 WALKER STREET
; CITY: NORTH SYDNEY
; STATE: NEW SOUTH WALES
; COUNTRY: AUSTRALIA
; ZIP: 2060

```

Search completed: October 10, 2003, 18:59:58  
Job time : 147.496 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 10, 2003, 18:41:13 ; Search time 4.81099 Seconds  
(without alignments)  
1227.665 Million cell updates/sec

Title: US-09-964-662-11

Perfect score: 1004

Sequence: 1 PFGVGVGIGIPGVAGVPGVG.....GVAPGVGVAPGVGVAIPAIGP 199

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 143239

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Pending Patents\_AA\_New.\*

1: /cgn2\_6/ptodata/2/paa/PCT\_NEW\_COMB.pcp.\*

2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pcp.\*

3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pcp.\*

4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pcp.\*

5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pcp.\*

6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pcp.\*

7: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	710	70.7	702	7	US-60-487-610-1797
2	707.5	70.5	757	7	US-60-487-610-1796
3	706	70.3	711	1	PCT-US02-24483-38
4	691	68.8	692	1	PCT-US02-24483-40
5	429	42.7	119	5	US-09-807-742A-15
6	350	34.9	1250	5	US-09-807-742A-1
7	275.5	27.4	252	1	PCT-US03-26780-3569
8	275.5	27.4	279	1	PCT-US03-26780-3570
9	275.5	27.4	384	1	PCT-US03-26780-3572
10	275.5	27.4	384	1	PCT-US03-26780-3573
11	275.5	27.4	906	1	PCT-US03-26780-3571
12	257.5	25.6	951	1	PCT-US03-26780-3411
13	242	24.1	1755	1	PCT-US03-26780-3444
14	228	22.7	1350	1	PCT-US03-26780-3436
15	228	22.7	1719	1	PCT-US03-26780-3135
16	215	21.4	889	1	PCT-US03-26780-3646
17	210	20.9	1386	1	PCT-US03-19153-284
18	209.5	20.9	261	1	PCT-US03-26780-3459
19	207.5	20.7	396	1	PCT-US03-26780-3578
20	205	20.4	594	1	PCT-US03-26780-3161
21	200.5	20.0	240	1	PCT-US03-26780-3432
22	199	19.8	537	1	PCT-US03-26780-3160
23	195	19.4	534	1	PCT-US03-26780-3162
24	194.5	19.4	469	6	US-10-425-114A-43328
25	193.5	19.3	222	1	PCT-US03-26780-3427
26	193	19.2	612	1	PCT-US03-26780-3167

ALIGNMENTS

RESULT 1

US-60-487-610-1797

; Sequence 1797, Application US/60487610

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,

; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CLO01469

; CURRENT APPLICATION NUMBER: US/60/487,610

; CURRENT FILING DATE: 2003-07-17

; NUMBER OF SEQ ID NOS: 97101

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1797

; LENGTH: 702

; TYPE: PRT

; ORGANISM: Homo sapiens

US-60-487-610-1797

Query Match 70.7%; Score 710; DB 7; Length 702;  
Best Local Similarity 53.9%; Pred. No. 2e+14;  
Matches 164; Conservative 6; Mismatches 24; Indels 110; Gaps 6;

Qy	1	PFGVGVGIGIPGVAGVPGVG	1	PCT-US03-26780-3010	Sequence 3010, Ap
				1	Sequence 3009, Ap
				1	Sequence 40, Appl
Db	383	PFGVGVGIGIPGVAGVPGVG	1	PCT-US03-26780-3117	Sequence 3117, Ap
				7	Sequence 2493, Ap
				1	Sequence 3020, Ap
Qy	61	AKAAQGLVPGVGVAPGVAGV	1	PCT-US03-26780-3020	Sequence 3020, Ap
				1	Sequence 3116, Ap
Db	443	AKAAQGLVPGVGVAPGVAGV	1	PCT-US03-26780-3116	Sequence 3116, Ap
				6	Sequence 59851, A
				7	Sequence 2411, Ap
Qy	121	AA-----	7	US-60-487-610-2411	Sequence 2411, Ap
				7	Sequence 1525, Ap
Db	503	AAAKSAKVAQAQRAAGLCAG	7	US-60-485-450-1525	Sequence 1525, Ap
				7	Sequence 2407, Ap
Qy	123	---AAAKAAKYGVGTP----	7	US-60-487-610-2407	Sequence 2407, Ap
				1	Sequence 1521, Ap
Db	563	GALAAAKAAKYGAAPVGLGL	7	PCT-US02-18638A-36	Sequence 36, Appl
				7	Sequence 2409, Ap
Qy	155	GVVAPGVGVPV-----	7	US-60-485-450-1523	Sequence 1523, Ap
				1	Sequence 3155, Ap
Db	623	AGLG-GLGVGLGVPGVGLGI	1	PCT-US03-26780-3155	Sequence 3155, Ap
				1	Sequence 3659, Ap
Qy	192	GVAP 195	7	US-60-487-610-2746	Sequence 2746, Ap
Db	682	GLSP 685			

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; SEQ ID NO 38
; LENGTH: 711
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-24483-38

Query Match 70.3%; Score 706; DB 1; Length 711;
Best Local Similarity 56.0%; Pred. NO. 2.6e-14;
Matches 163; Conservative 7; Mismatches 19; Indels 102; Gaps 7;

QY 1 PGRGVGGIPGVAGVPGVGVPGVGVGVGVSPEAQAARAAAKAAYKGYGTIPAAAAAKA 60
DB 410 PGRGVGGIPGVAGVPGVGVGVGVSPEAQAARAAAKAAYKGYGTIPAAAAAKA 469
QY 61 AAKAAQFGLVPGVGVAGVPGVGVGVGVLPGVGVGVGVPAGVGVGVGVPAGVGVG 120
DB 470 AAKAAQFGLVPGVGVAGVPGVGVGVGVLPGVGVGVGVPAGVGVGVGVPAGVGVG 529
QY 121 AA----- 122
DB 530 AAKAASNAKVAKAQLRRAAGLGGIPGLGVGVGVGVLPGVGVGVGAGVPGVGVG 589
QY 123 ---AAAKAAKYGVGP-----AAAARAAAKAAQAQFGLVPG 154
DB 590 GALLAARAAAKYAAVPGVGLGALGVGIPGVGVGAGPAAAAAARAAAKAAQAQFGLVGA 649
QY 155 VGVAPGVGVAGVGVAGVGVGLAPGVGVGVP-----GVGVAPGVGVAP 195
DB 650 AGLG-GLGVG-GLGV-PCGV---GLGGIPAAAAAKAAYGVAAARPGFUSP 694

RESULT 4
PCT-US02-24483-40
; Sequence 40, Application PC/TUS0224483
; GENERAL INFORMATION:
; APPLICANT: Curagen Corp. et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, A
; FILE REFERENCE: 21402-416A-061
; CURRENT APPLICATION NUMBER: PCT/US02/24483
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/309,501
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/323,994
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/373,814
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/310,291
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 60/310,951
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/310,544
; PRIOR FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: 60/311,292
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/311,979
; PRIOR FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/313,201
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/312,892
; PRIOR FILING DATE: 2001-08-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 327
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 40
; LENGTH: 692
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-24483-40

Query Match 68.8%; Score 691; DB 1; Length 692;
Best Local Similarity 52.6%; Pred. NO. 6.6e-14;
Matches 163; Conservative 6; Mismatches 25; Indels 116; Gaps 7;

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; SEQ ID NO 3569  
; LENGTH: 252  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US03-26780-3569

Query Match 27.4%; Score 275.5; DB 1; Length 252;  
Best Local Similarity 38.2%; Pred. No. 0.013;  
Matches 76; Conservative 1; Mismatches 117; Indels 5; Gaps 2;

QY 4 GVGGGIPGVAGVP-----GVGGVPGVGVPGVGVGSPGQAQAAAAAKAAKAYGVGTPAAAAAK 59  
DB 31 GAG 90  
QY 60 AAKAAQFGLVPGVGVAGVGVVAPGVVAPGVGLAPGVGVVAPGVVAPGVVAPGVVAPGVVAPGV 119  
DB 91 GAG 150  
QY 120 QAAAAAKAAKAYGVGTPAAAAAKAAKAAQFGLVPGVGVVAPGVVAPGVVAPGVVAPGVVAPGV 179  
DB 151 GAA 209  
QY 180 GVAPGVGVVAPGVVAPGV 198  
DB 210 GAAGAAGAAG 228

## RESULT 8

PCT-US03-26780-3570  
; Sequence 3570, Application PC/TUS0326780  
; GENERAL INFORMATION:  
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.  
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF  
; FILE REFERENCE: 08940 0014-00304  
; CURRENT APPLICATION NUMBER: PCT/US03/26780  
; PRIOR FILING DATE: 2003-08-28  
; PRIOR APPLICATION NUMBER: 60/406,616  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,579  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,655  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,642  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,640  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,588  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,576  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,646  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,666  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,653  
; PRIOR FILING DATE: 2002-08-29  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 3700  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3570  
; LENGTH: 279  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US03-26780-3570

Query Match 27.4%; Score 275.5; DB 1; Length 279;  
Best Local Similarity 38.2%; Pred. No. 0.014;  
Matches 76; Conservative 1; Mismatches 117; Indels 5; Gaps 2;

QY 4 GVGGGIPGVAGVP-----GVGGVPGVGVPGVGVGSPGQAQAAAAAKAAKAYGVGTPAAAAAK 59  
DB 31 GAG 90

QY 60 AAKAAQFGLVPGVGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGV 119  
DB 91 GAG 150  
QY 120 QAAAAAKAAKAYGVGTPAAAAAKAAKAAQFGLVPGVGVVAPGVVAPGVVAPGVVAPGVVAPGV 179  
DB 151 GAA 209  
QY 180 GVAPGVGVVAPGVVAPGV 198  
DB 210 GAAGAAGAAG 228

## RESULT 9

PCT-US03-26780-3572  
; Sequence 3572, Application PC/TUS0326780  
; GENERAL INFORMATION:  
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.  
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF  
; FILE REFERENCE: 08940 0014-00304  
; CURRENT APPLICATION NUMBER: PCT/US03/26780  
; PRIOR FILING DATE: 2003-08-28  
; PRIOR APPLICATION NUMBER: 60/406,616  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,579  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,655  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,642  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,640  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,588  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,576  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,646  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,666  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 60/406,653  
; PRIOR FILING DATE: 2002-08-29  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 3700  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3572  
; LENGTH: 366  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US03-26780-3572

Query Match 27.4%; Score 275.5; DB 1; Length 366;  
Best Local Similarity 38.2%; Pred. No. 0.016;  
Matches 76; Conservative 1; Mismatches 117; Indels 5; Gaps 2;

QY 4 GVGGGIPGVAGVP-----GVGGVPGVGVPGVGVGSPGQAQAAAAAKAAKAYGVGTPAAAAAK 59  
DB 31 GAG 90  
QY 60 AAKAAQFGLVPGVGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGVVAPGV 119  
DB 91 GAG 150  
QY 120 QAAAAAKAAKAYGVGTPAAAAAKAAKAAQFGLVPGVGVVAPGVVAPGVVAPGVVAPGVVAPGV 179  
DB 151 GAA 209  
QY 180 GVAPGVGVVAPGVVAPGV 198  
DB 210 GAAGAAGAAG 228

; PRIOR APPLICATION NUMBER: 60/406,579  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,655  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,642  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,640  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,588  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,576  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,646  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,666  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,653  
 ; PRIOR FILING DATE: 2002-08-29  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 3700  
 ; SOFTWARE: ratentin version 3.2  
 ; SEQ ID NO 3571  
 ; LENGTH: 906  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; PCT-US03-26780-3571  
  
 Query Match 27.4%; Score 275.5; DB 1; Length 906;  
 Best Local Similarity 38.2%; Pred. No. 0.036;  
 Matches 76; Conservative 1; Mismatches 117; Indels 5; Gaps 2;  
  
 QY 4 GVGGGIPGVAGVP---GVGGVPGVGGVPGVGIISPEAQAAAAAANKYGVGTPEAAAAAK 59  
 DB 31 GAG 90  
 QY 60 AAKAAQAQGLVPGVGPVAPGVGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGVAPGV 119  
 DB 91 GAG 150  
 QY 120 QAAAAAANKYGVGTPEAAAAAANKYGVGTPEAAAAAANKYGVGTPEAAAAAANKYGVGT 179  
 DB 151 GAG 209  
 QY 180 GVAPGVGPVAPGVGVAPVAPG 198  
 DB 210 GAAGAAG 228  
  
 RESULT 12  
 PCT-US03-26780-3411  
 ; Sequence 3411, Application PC/TUS0326780  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FIVEPRIME THERAPEUTICS, INC.  
 ; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF  
 ; TITLE OF INVENTION: THEIR USE  
 ; FILE REFERENCE: 08940.0014-00304  
 ; CURRENT APPLICATION NUMBER: PCT/US03/26780  
 ; CURRENT FILING DATE: 2003-08-28  
 ; PRIOR APPLICATION NUMBER: 60/406,616  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,579  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,655  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,642  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,640  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,588  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,576  
 ; PRIOR FILING DATE: 2002-08-29  
 ; PRIOR APPLICATION NUMBER: 60/406,646

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; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; PRIOR FILING DATE: 2002-08-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3411
; LENGTH: 951
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3411

Query Match      25.6%; Score 257.5; DB 1; Length 951;
Best Local Similarity 38.7%; Pred. No. 0.083;
Matches 84; Conservative 0; Mismatches 106; Indels 27; Gaps 6;

QY 4 GVGGGIPGVAGVPGV---VGVPGVGVPGVGVGSPGAQAAAAAKAA--KYGVGTFAAAA 57
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 98 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 157
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 58 AKAAXAOFGLVPGVGA---FGVGVPGVGVAPGV-----LAPGVGVPGVGVAPG 108
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 158 GAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 217
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 109 VGVAIPGPPAQAAAAAKYGVGTFAAAAAXAAXAQAQFLVPGVGVGVAPGV 168
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 218 AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 276
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 169 VAPGVGLAPGVGVAPGVG-----VAPGVGVA 194
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 277 GAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 313
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 13
PCT-US03-26780-3444
; Sequence 3444, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3444
; LENGTH: 1755
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3444
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Query Match      24.1%; Score 242; DB 1; Length 1755;
Best Local Similarity 37.9%; Pred. No. 0.3;
Matches 74; Conservative 1; Mismatches 112; Indels 8; Gaps 4;

QY 4 GVGGGIPGVAGVPGVPG---VGVPGVGVGSPGAQAAAAAKYGVGTFAAAAAXAA 61
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1296 GAAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1355
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 62 AKAAQFGLVPGV---GVAPGVGVAPGVGVAPGV---GLAPGVGVAPGV---GVAPGVGVAPAI 115
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1356 AGAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1415
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 116 GPBQAQAAAAAKYGVGTFAAAAAXAAXAQAQFLVPGVGVGVAPGVGVAPGV 175
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1416 AAGAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1475
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 176 APGVGVAPGVGVAPG 190
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1476 GAAAGAAAACAAAG 1490
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 14
PCT-US03-26780-3136
; Sequence 3136, Application PC/TUS0326780
; GENERAL INFORMATION:
; APPLICANT: FIVEPRIME THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; TITLE OF INVENTION: THEIR USE
; FILE REFERENCE: 08940.0014-00304
; CURRENT APPLICATION NUMBER: PCT/US03/26780
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,642
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,640
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,588
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,576
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,646
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,666
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,653
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3700
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3136
; LENGTH: 1350
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-26780-3136

Query Match      22.7%; Score 228; DB 1; Length 1350;
Best Local Similarity 34.6%; Pred. No. 0.65;
Matches 75; Conservative 1; Mismatches 121; Indels 20; Gaps 2;

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Db 459 GGAGATGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 518
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